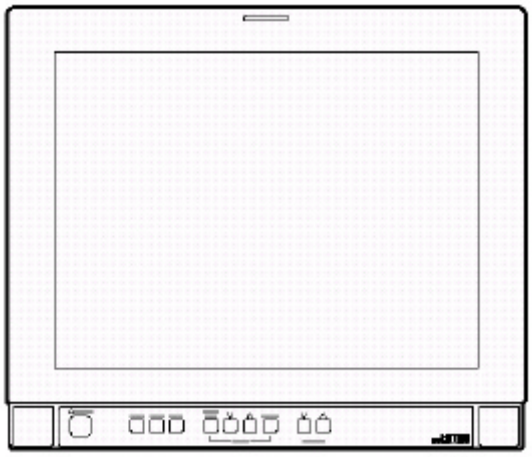
ORDER NO. BSD04040123

Service Manual

Simplified

Liquid Crystal Video Monitor

BT-LS1400MC



Please use this manual together with the service manual for Model number BT-LS1400P/E (Order No. BSD04010025).

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规格

[一般规格]

电源: AC 100V 到240V，50/60Hz
电力消耗: 0.98A 到0.54A

显示安全信息。

尺寸（宽×高×深）:
356 × 308.5 × 71.5 mm（仅主装置）
356 × 340 × 187mm（带监视器底座）

重量:
4.6kg（仅主装置）
5.6kg（带监视器底座）

环境工作温度:
5°C 到35°C

环境工作湿度:
20 %到80 %（不结露）

存放环境温度:
–20°C 到+60°C

存放环境湿度:
10 %到90 %（不结露）

[面板]

像素数:
921,600（640（水平）×480（垂直），RGB）

视角:
上下方向：160°
左右方向：160°

屏幕尺寸（宽×高）
288 × 217（mm）(4:3 宽高比）

[视频信号输入]

LINE A:
PAL 复合信号（BNC）
1.0 Vp-p
S-视频信号（S 接口优先）
Y: 1.0 Vp-p C: 0.3 Vp-p

LINE B:
PAL 复合信号（BNC）
1.0 Vp-p
S-视频信号（S 接口优先）
Y: 1.0 Vp-p C: 0.3 Vp-p

CMPNT:
Y: 1.0 Vp-p P_BP_R: 0.7 Vp-p
（BNC, 576/50i）

SDI（可选）:
分量串行数字信号 (BNC, 576/50i）

[视频信号输出]

LINE A:
环路输出，75Ω 自动终端
（BNC，S 接口）

LINE B:
环路输出，75Ω 自动终端
（BNC，S 接口）

SDI (可选):
缓冲区输出（BNC，576/50i）

[音频输入]

LINE A:
L/R 输入（phono），0.5Vrms

LINE B:
L/R 输入（phono），0.5Vrms

CMPNT:
L/R 输入（phono），0.5Vrms

SDI (可选):
CMPNT 音频信号输入

[音频输出]

LINE A:
环路输出，L/R（phono）

LINE B:
环路输出，L/R（phono）

扬声器:
立体声（1W + 1W）

[其他]

REMOTE:
D-sub，9 针

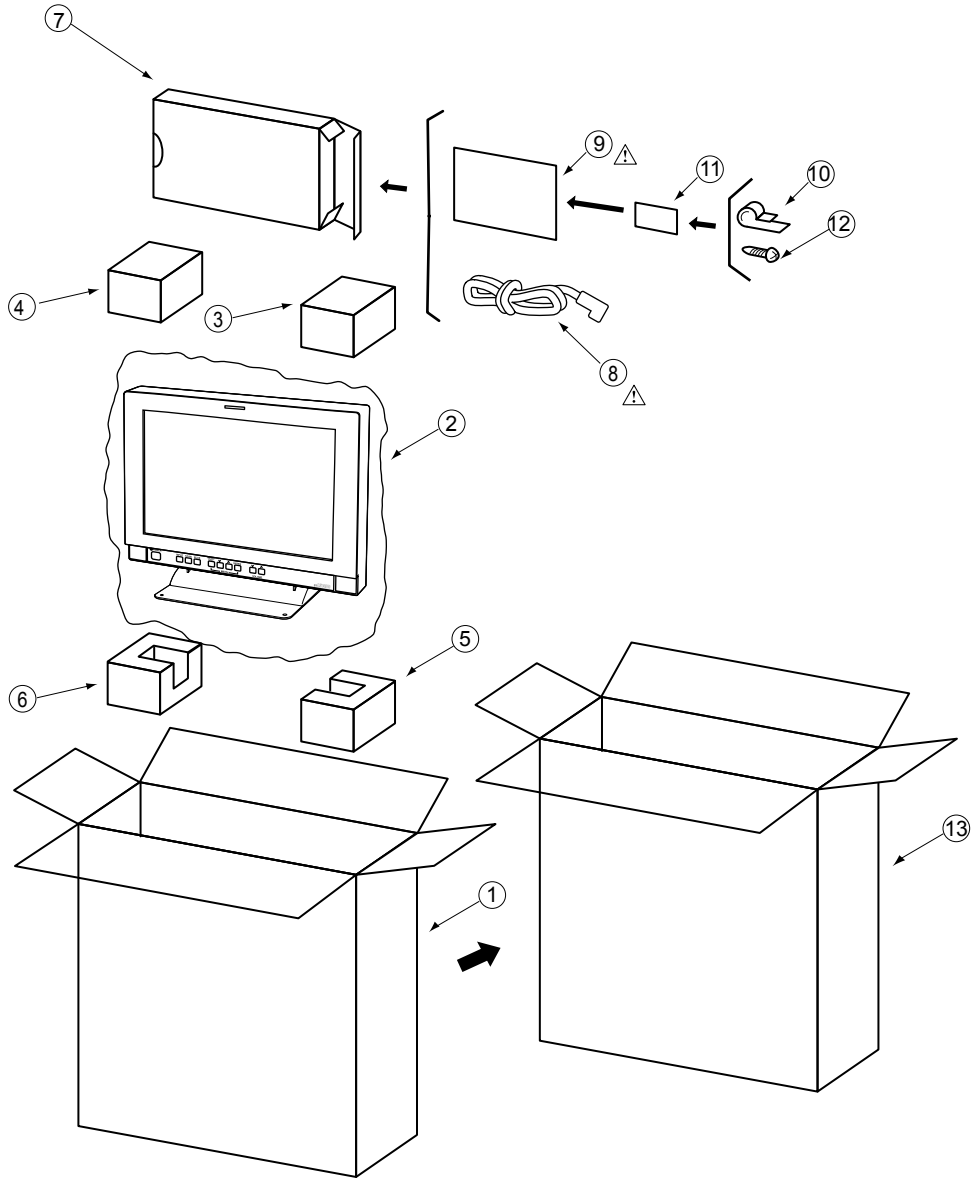
[随机附件]

电源线 1 根
操作手册 1 本
电缆夹 1 个
电缆夹螺钉 1 个

The difference between BT-LS1400MC and BT-LS1400E is only Packing Parts assembly.

PACKING PARTS & ACCESSORIES ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG0Y04	PACKING CASE (IN)	1	
2	VPF0671	PROTECTION BAG	1	
3	VPN6080	CUSHION(A)	1	
4	VPN6081	CUSHION(B)	1	
5	VPN6106	CUSHION(C)	1	
6	VPN6107	CUSHION(D)	1	
7	VPG0W58	ACCESSORY_CASE	1	
⚠ 8	K2CK3CH00001	AC_CORD	1	
⚠ 9	VQT0J23	OPERATING INSTRUCTIONS	1	
10	VJF0033	NYLON CLAMP	1	
11	VPF1016	POLYETHYLENE BAG	1	
12	XYN4+J8FN	SCREW	1	
13	VPG0Y05	PACKING CASE (OUT)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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ZCD0404NYNK103

ORDER NO. BSD04010025
D06

Service Manual

Sec. 1 *Service Information*
Sec. 2 *Disassembly*
Sec. 3 *Electrical Adjustments*
Sec. 4 *Block Diagrams*
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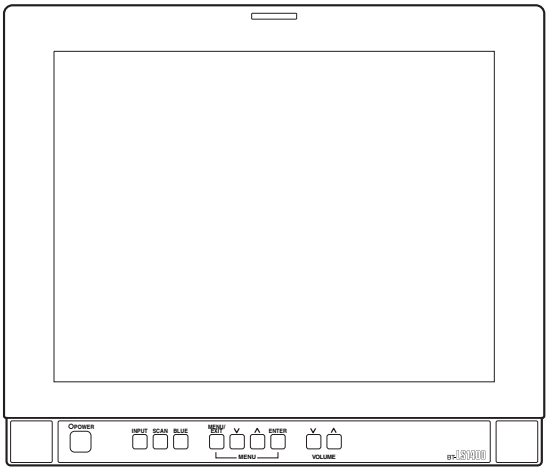
Liquid Crystal Video Monitor / SDI Input Unit

BT-LS1400P/E
BT-YA210G



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FOR BT-LS1400P

Specifications

[GENERAL]

Power supply:	AC 100 V to 240 V, 50-60 Hz
Power consumption:	0.98 A to 0.54 A

indicates safety information.

Dimensions (W×H×D):
14 × 12-1/8 × 2-13/16 inch (main unit only)
(356 × 308.5 × 71.5 mm)
14 × 13-3/8 × 7-3/8 inch (with monitor stand)
(356 × 340 × 187 mm)

Weight:
10.5 lbs (4.6 kg) (main unit only)
12.4 lbs (5.6 kg) (with monitor stand)

Ambient operating temperature:
41 °F to 95 °F (5°C to 35°C)

Ambient operating humidity:
20% to 80% (no condensation)

Ambient temperature for storage:
–4 °F to 140 °F (–20°C to +60°C)

Ambient humidity for storage:
10% to 90% (no condensation)

[Panel]

Number of pixels:
921,600 (640 (H) x 480 (V) ,RGB)

Angle of view:
Top-bottom direction: 160°;
left-right direction: 160°

Screen dimensions (W×H):
288 × 217 (mm) (4:3 aspect)

[Video signal input]

LINE A:
NTSC composite (BNC)
1.0 Vp-p
S video signals (S connector prioritized)
Y: 1.0 Vp-p C: 0.268 Vp-p

LINE B:
NTSC composite (BNC)
1.0 Vp-p
S-video signals (S connector prioritized)
Y: 1.0 Vp-p C: 0.268 Vp-p

CMPNT:
Y: 1.0 Vp-p PbPr: 0.7 Vp-p
(BNC, 480/59.94i, 480/59.94P)

SDI (optional):
Component serial digital (BNC, 480/59.94i)

[Video signal output]

LINE A:
Loop-through output, 75 Ω automatic termination
(BNC, S connector)

LINE B:
Loop-through output, 75 Ω automatic termination
(BNC, S connector)

SDI (optional):
Buffer output (BNC, 480/59.94i)

[Audio input]

LINE A:
L/R input (RCA, phono pin), 0.5 Vrms

LINE B:
L/R input (RCA, phono pin), 0.5 Vrms

CMPNT:
L/R input (RCA, phono pin), 0.5 Vrms

SDI (optional):
Audio signals for CMPNT input

[Audio output]

LINE A:
Loop-through output, L/R (RCA, phono pin)

LINE B:
Loop-through output, L/R (RCA, phono pin)

Speakers:
Stereo (1 W + 1 W)

[Other]

REMOTE:
D-sub, 9 pin

[Accessories provided with the monitor]

Power cable × 1
Operating Instructions × 1
Cable clamp × 1
Screw for cable clamp × 1

OPTION(BT-YA210G)

Dimensions (W × H × D):
160 × 37 × 158 mm (6-5/16 × 1-7/16 × 6-1/4 inch)

Weight:
0.5 kg (1.1 lbs)

Input connector:
×1 (with active through out configuration)

Formats supported:
480i (BT-LS1400P)
576i (BT-LS1400E/MC)

FOR BT-LS1400E

Specifications

[GENERAL]

Power supply:	AC 100 V to 240 V, 50/60 Hz
Power consumption:	0.98 A to 0.54 A

[ ] indicates safety information.

Dimensions (W×H×D):
356 × 308.5 × 71.5 mm (main unit only)
356 × 340 × 187 mm (with monitor stand)
Weight:
4.6 kg (main unit only)
5.6 kg (with monitor stand)
Ambient operating temperature:
5°C to 35°C
Ambient operating humidity:
20% to 80% (no condensation)
Ambient temperature for storage:
–20°C to +60°C
Ambient humidity for storage:
10% to 90% (no condensation)

[Panel]

Number of pixels:
921,600 (640 (H) x 480 (V), RGB)
Angle of view:
Top-bottom direction: 160°;
left-right direction: 160°
Screen dimensions (W×H):
288 × 217 (mm) (4:3 aspect)

[Video signal input]

LINE A:
PAL composite (BNC)
1.0 Vp-p
S video signals (S connector prioritized)
Y: 1.0 Vp-p C: 0.3 Vp-p
LINE B:
PAL composite (BNC)
1.0 Vp-p
S-video signals (S connector prioritized)
Y: 1.0 Vp-p C: 0.3 Vp-p
CMPNT:
Y: 1.0 Vp-p PbPr: 0.7 Vp-p
(BNC, 576/50i)
SDI (optional):
Component serial digital (BNC, 576/50i)

[Video signal output]

LINE A:
Loop-through output, 75 Ω automatic termination (BNC, S connector)
LINE B:
Loop-through output, 75 Ω automatic termination (BNC, S connector)
SDI (optional):
Buffer output (BNC, 576/50i)

[Audio input]

LINE A:
L/R input (phono pin), 0.5 Vrms
LINE B:
L/R input (phono pin), 0.5 Vrms
CMPNT:
L/R input (phono pin), 0.5 Vrms
SDI (optional):
Audio signals for CMPNT input

[Audio output]

LINE A:
Loop-through output, L/R (phono pin)
LINE B:
Loop-through output, L/R (phono pin)
Speakers:
Stereo (1 W + 1 W)

[Other]

REMOTE:
D-sub, 9 pin

[Accessories provided with the monitor]

Power cables
for European countries × 1
for the United Kingdom × 1
Operating Instructions × 1
Cable clamp × 1
Screw for cable clamp × 1

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

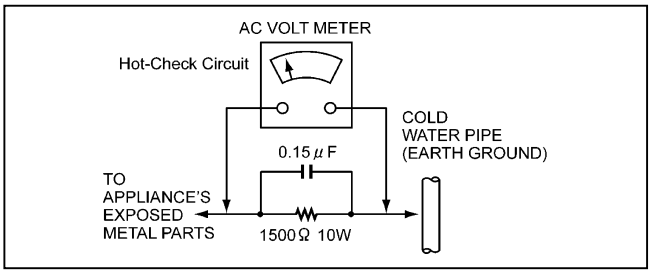

Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF indication on the PCB.
Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note: It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

- **Use a rain cover when the unit is to be used outdoors in rainy weather.**
- **Only L-size DVCPRO cassette tapes can be used with this camera recorder. Do not use standard size DV tapes or tapes of any other size.**

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Replace battery with part No. CR2032 only.
Use of another battery may present a risk of fire or explosion.
Caution—Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.

ATTENTION:
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of it's useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

indicates safety information.

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SCD0401NYNK103

SECTION 2

DISASSEMBLY

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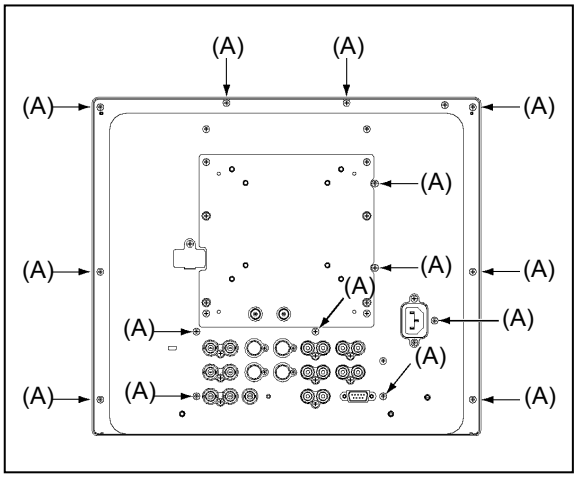
2.1 Remove of the Back Case DIS-1
2.2 Remove of the Jack Plate Unit DIS-1
2.3 Remove of the Power Supply Unit DIS-1
2.4 Remove of the SUB P.C.Board DIS-1
2.5 Remove of the MAIN P.C Board DIS-2
2.6 Remove of the LCD Unit DIS-2

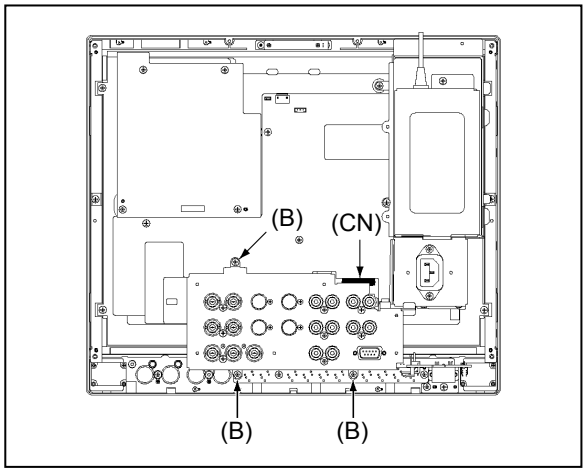
2 DISASSEMBLY

2.1 Remove of the Back Case



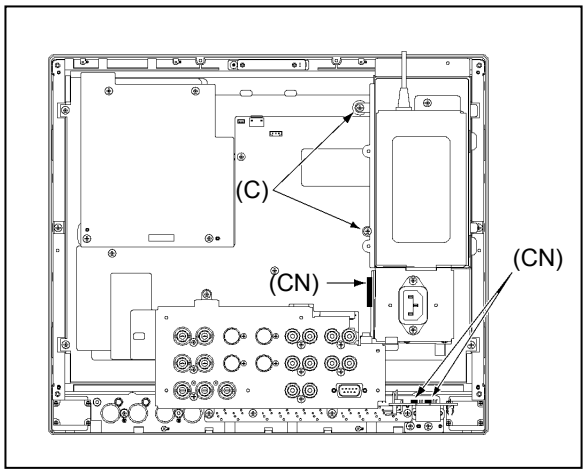
1. Thick cloth and so on is down not to damage a LCD screen, and the unit is pushed down.
2. Unscrew the 4 screws, and remove the stand unit.
3. Unscrew the 15 screws (A), and remove the back case.

2.2 Remove of the Jack Plate Unit



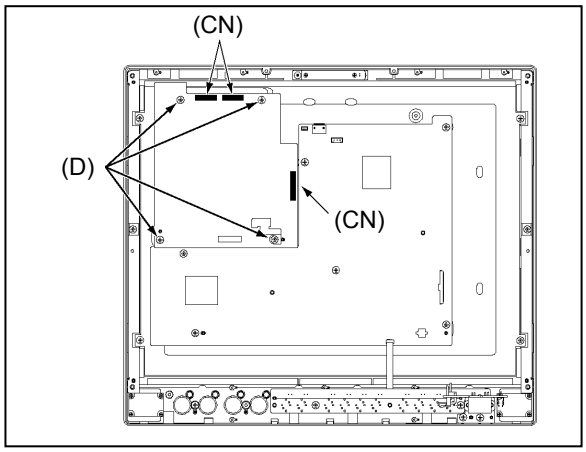
1. Remove the Back case.
2. Disconnect a connector (CN).
3. Unscrew the 3 screws (B), and remove the Jack Plate unit.

2.3 Remove of the Power Supply Unit



1. Remove the Back case.
2. Disconnect the 3 connectors (CN).
3. Unscrew the 2 screws (C), and remove the Power supply unit.

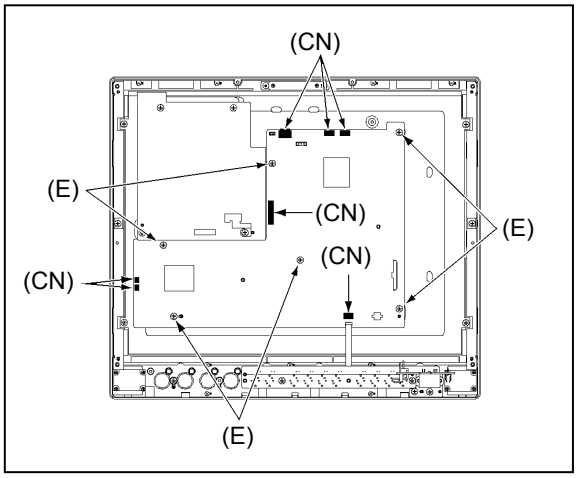
2.4 Remove of the SUB P.C.Board.



1. Remove the back case.
2. Disconnect the 3 connectors (CN).
3. Unscrew the 4 screws (D), and remove the SUB P.C.Board.

Note: In order to prevent any damage on the screw holes for the P.C.Board and power supply unit, tighten the screws with less than 0.3N-m (about 3kgf-cm) torque.

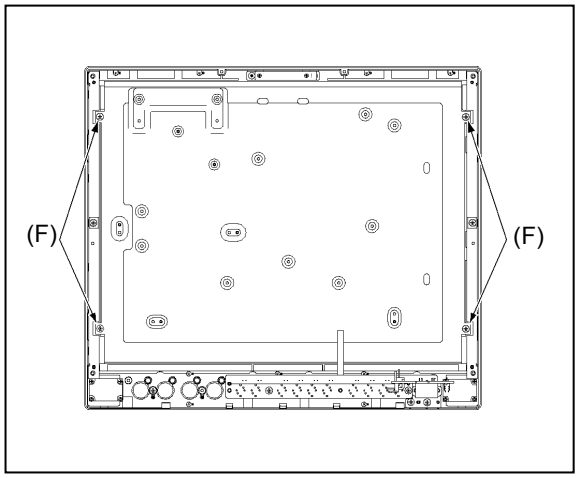
2.5 Remove of the MAIN P.C.Board



1. Remove the Back case.
2. Remove the Jack plate unit.
3. Remove the Power supply unit.
4. Disconnect the 7 connectors (CN).
5. Unscrew the 6 screws (E), and remove the MAIN P.C.Board.

Note: In order to prevent any damage on the screw holes for the P.C.Board and power supply unit, tighten the screws with less than 0.3N-m (about 3kgf-cm) torque.

2.6 Remove of the LCD Unit



1. Remove the back case.
2. Remove the jack plate unit.
3. Remove the power supply unit.
4. Remove the SUB P.C.Board.
5. Remove the MAIN P.C.Board.
6. Unscrew the 4 screws (F), and remove the LCD unit.

SECTION 3

ELECTRICAL ADJUSTMENT

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FRONT P.C.BOARD (VEP18105A) ELE-6
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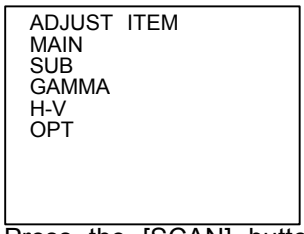
SDI INPUT UNIT (BT-YA210G) ELE-8

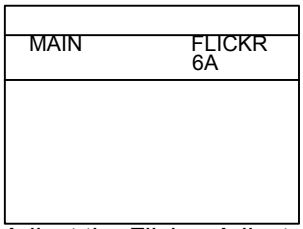
1. MAIN UNIT

1-1. FLICKER ADJUSTMENT

1. Be sure to warm up the unit for at least 30 minutes after turning it on.
2. In case of the BT-LS1400E, input a PAL signal to input terminal. (BT-LS1400P is no required input signal.)
3. While pressing [VOLUME v] button and press [MENU v] button simultaneously three times, so that the monitor displays the “ADJUST ITEM” screen as shown below.



4. Press the [SCAN] button to display the MAIN menu.
5. Press the [VOLUME v] button and select the “FLICKR” adjustment.



6. Adjust the Flicker Adjustment by the [MENU ∧ v] button until the flicker on the screen is minimum.

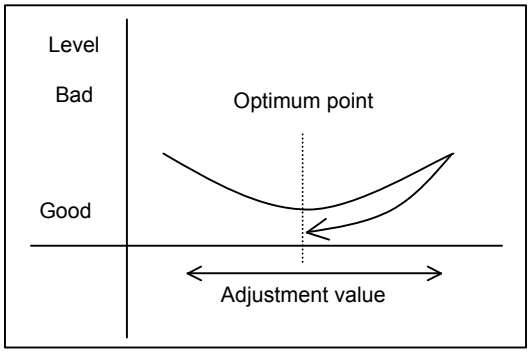


Figure A

7. After adjustment, press the [VOLUME v] button and press [MENU/EXIT] button simultaneously to start the self-check function. And when the [MENU/EXIT] button is pressed, display returns to the normal screen.

NOTE

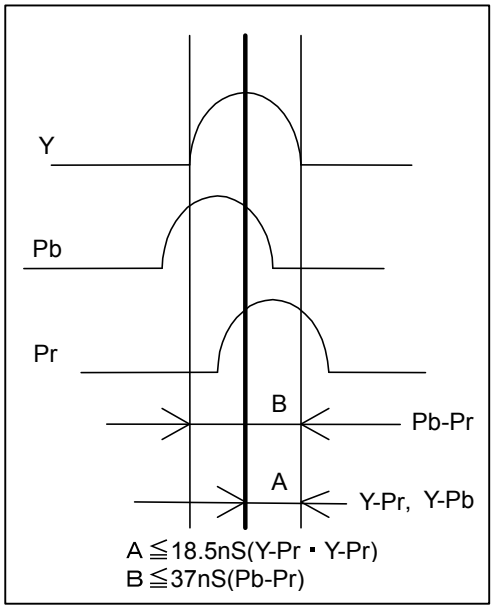
1) Adjust the flicker value at the optimum point and overrun once, and readjust it at the optimum point as shown in figure A.
2) Adjust the level of flicker at the optimum point because it doesn’t disappear on the screen completely.
3). Do not change the value except the flicker adjustment by the MAIN menu.

2. SD-SDI BOARD

2-1. YC TIMMING ADJUSTMENT

BOARD	SD-SDI BOARD
TP	Y=TP4005,Pb=TP4006,Pr=TP4007
ADJ.	SW4001,SW4002
SIGNAL	2TPULSE
M.EQ	Oscilloscope
SPEC.	A≦18.5nS,B≦37nS

1. Install the SDI Input Unit on the Main Unit
2. Connect the oscilloscope to TP4005, TP4006 and TP4007 on the SDI Input Unit, and observes the waveform.
3. Change the combination of SW4001 and SW4002 as shown in the tables below so that the timing between the Y, Pb and Pr signals are within the specification.



Pb adjustment	
SW4001-1 ON	1STEP ADVANCE
SW4001-1,2 ON	2STEP ADVANCE
SW4001-3 ON	1STEP DELAY
SW4001-2,3 ON	2STEP DELAY

※1STEP＝About 37nS movement

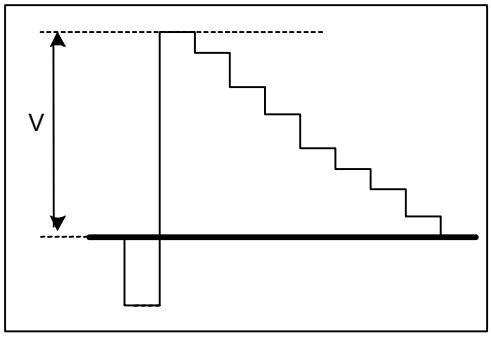
Pr adjustment	
SW4002-1 ON	1STEP ADVANCE
SW4002-1,2 ON	2STEP ADVANCE
SW4002-3 ON	1STEP DELAY
SW4002-2,3 ON	2STEP DELAY

※1STEP＝About 37nS movement

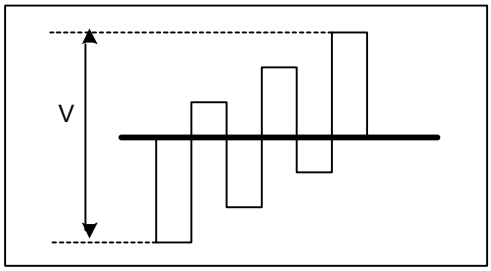
2-2. Y/C OUT Level Adjustment

BOARD	SD-SDI BOARD
TP	Y=TP4005,Pb=TP4006,Pr=TP4007
ADJ.	Y=VR4143,Pb=VR4144,Pr=VR4145
SIGNAL	100% COLOR BAR SIGNAL
M.EQ	Oscilloscope
SPEC.	V = 700±10mV

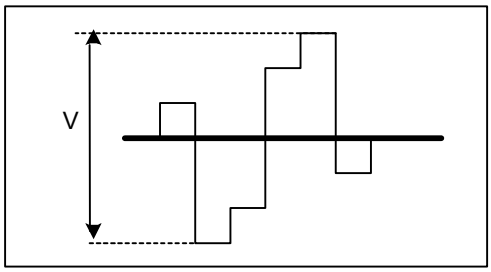
1. Supply a 100% color bar signal to the Video Input.
2. Connect the oscilloscope to TP4005, and adjust VR4143 so that the Y level is within the specification.



3. Connect the oscilloscope to TP4005, and adjust VR4144 so that the Pb level is within the specification.

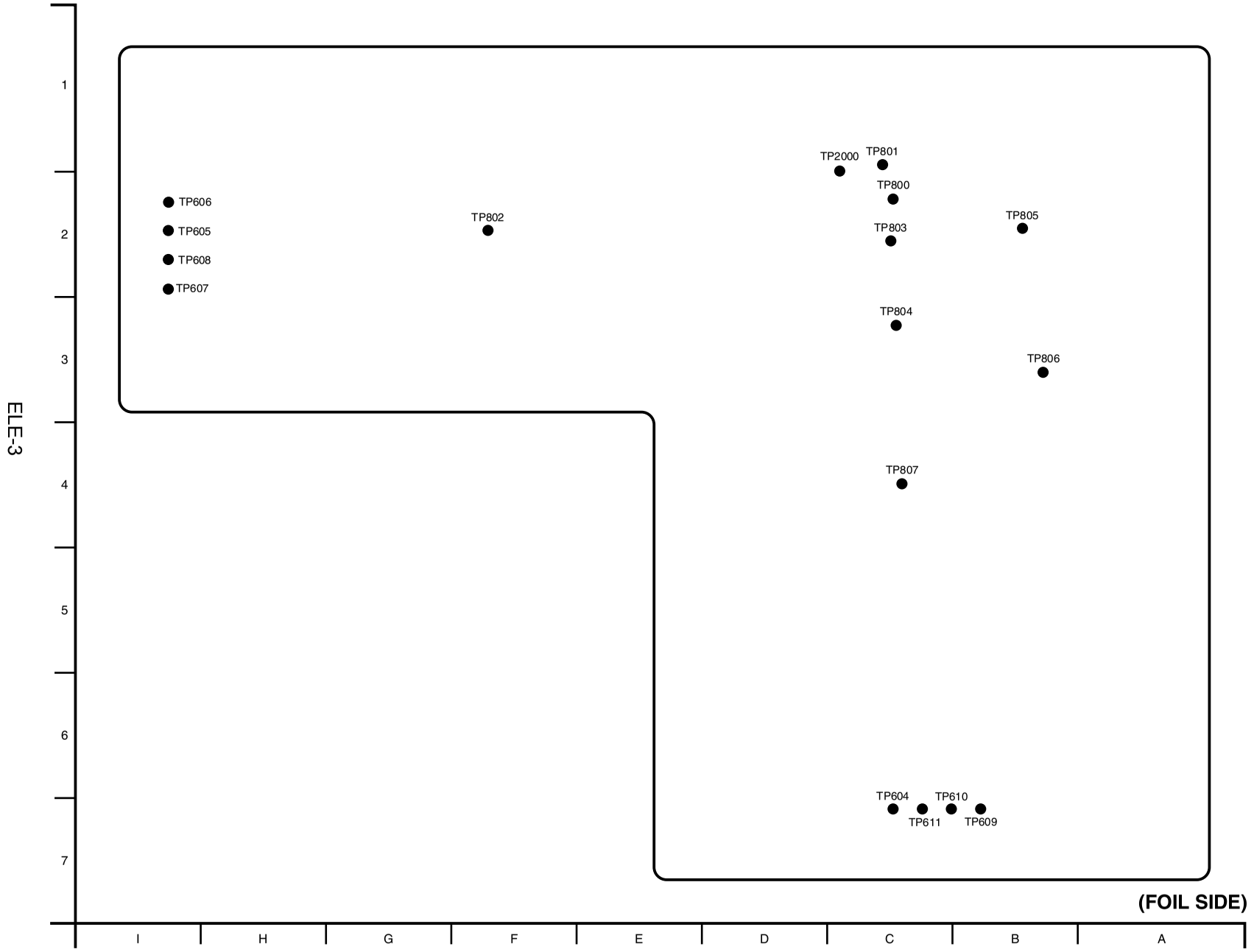


4. Connect the oscilloscope to TP4007, and adjust VR4145 so that the Pr level is within the specification.



TP and VR Location / Parts Location Table

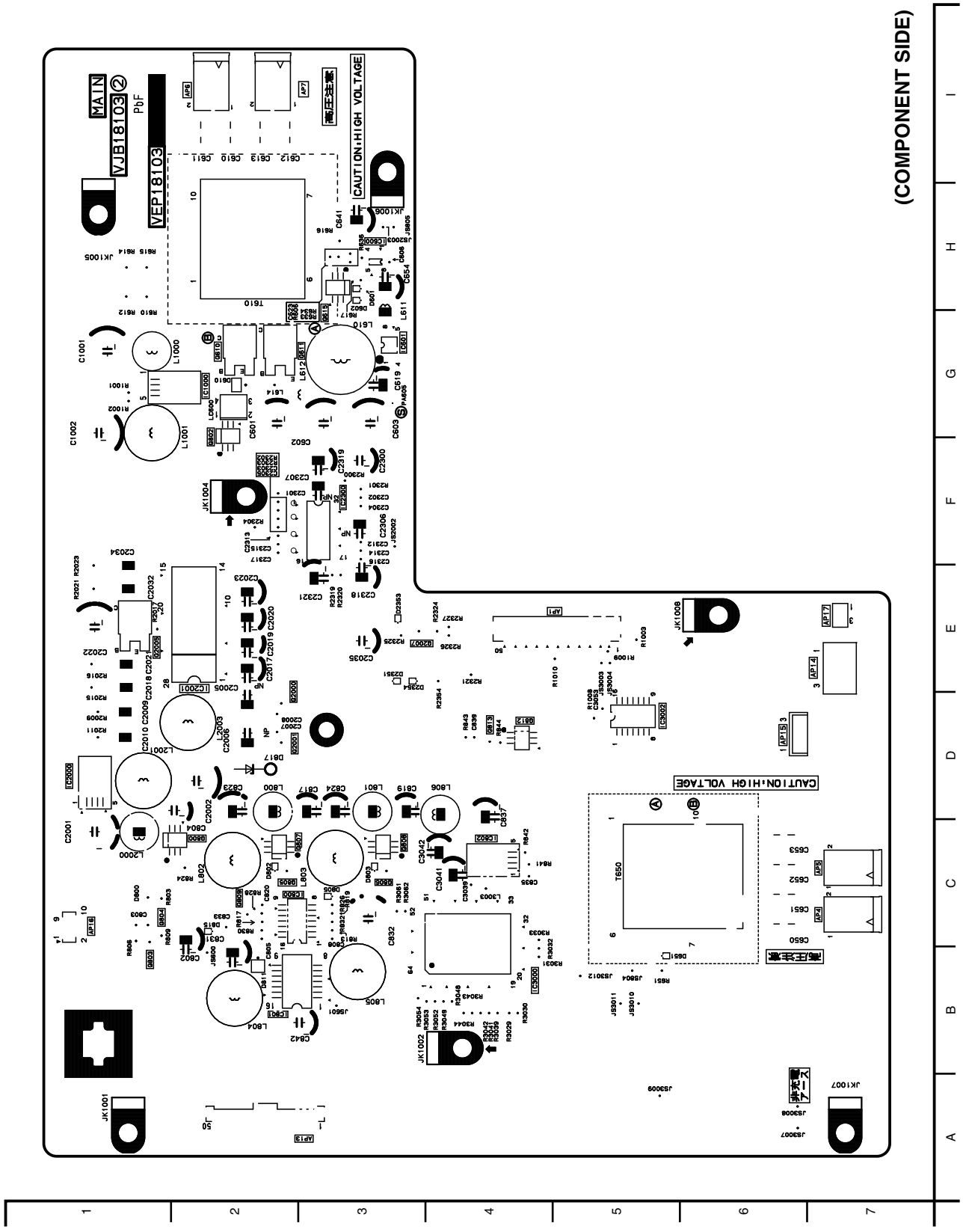
MAIN P.C.BOARD (VEP18103A)



ELE-3

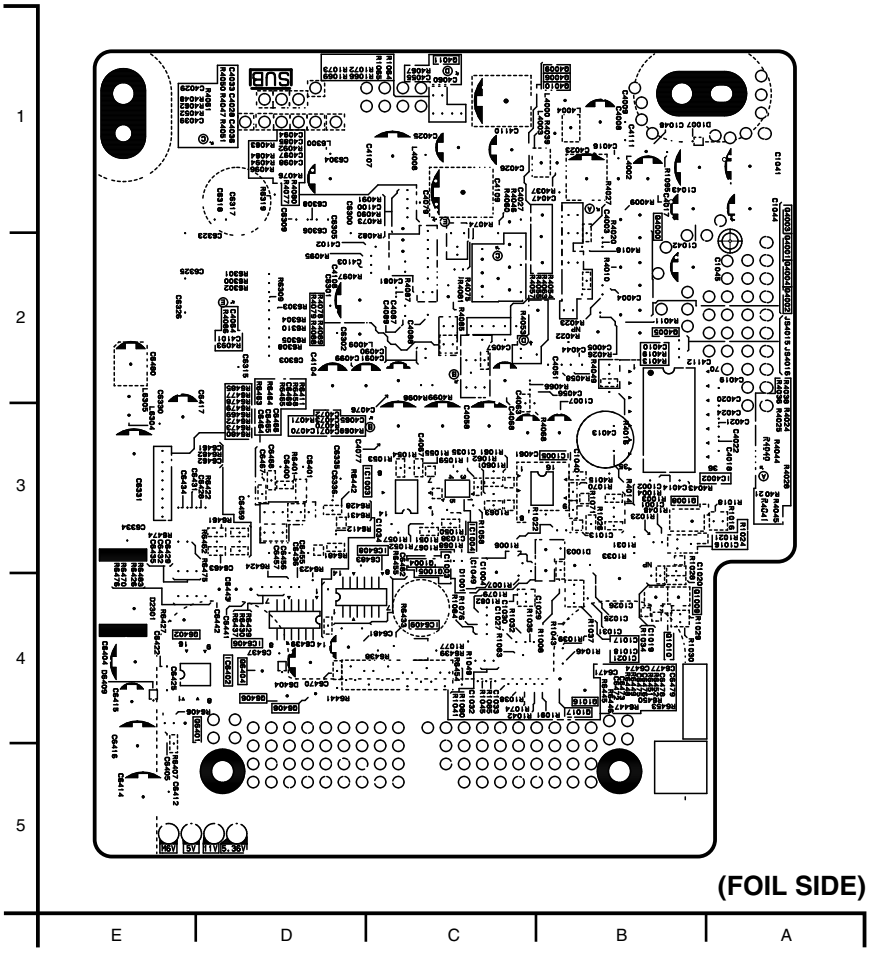
REF	LOC
AP14	D7
AP15	D6
AP17	E7
IC2001	E2
Q607	G3
Q608	G3
Q801	C1
Q2002	E2
Q2003	D2
Q2004	D2
Q2006	D4
Q2008	E3
Q2009	E3
Q2010	D3
TP604	C7
TP605	I2
TP606	I2
TP607	I2
TP608	I2
TP609	B7
TP610	C7
TP611	C7
TP800	C2
TP801	C1
TP802	F2
TP803	C2
TP804	C3
TP805	B2
TP806	B3
TP807	C4
TP1001	E4
TP2000	C1

MAIN P.C.BOARD (VEP18103A)



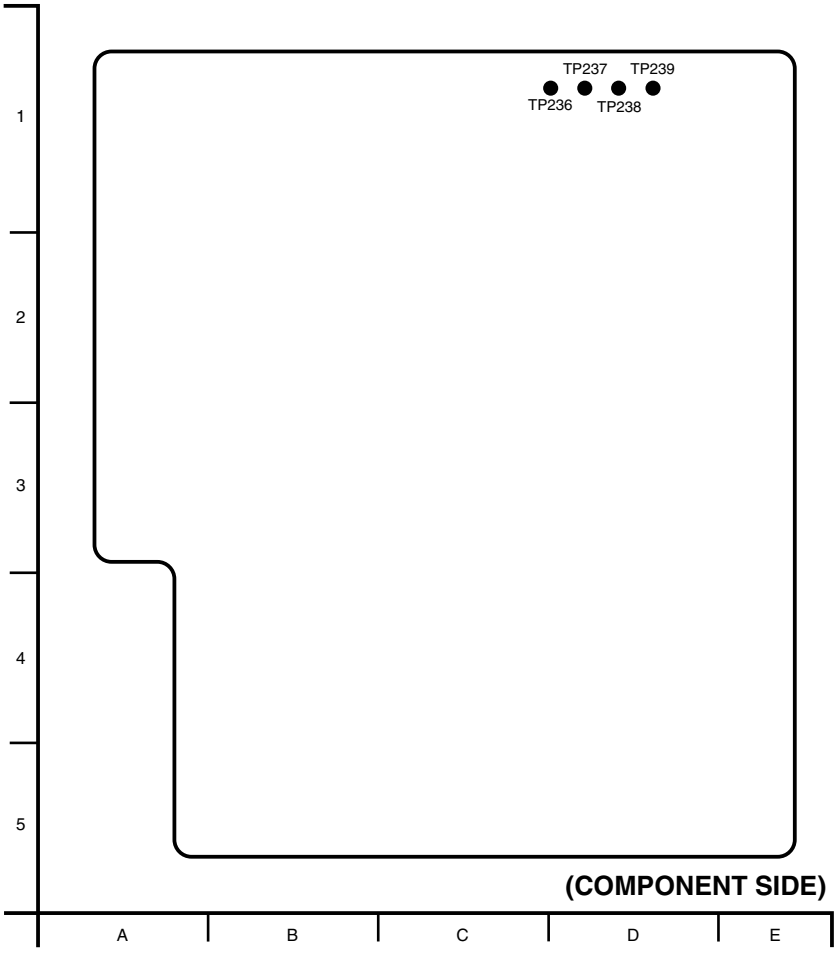
REF	LOC
AP1	E5
AP4	C7
AP5	C7
AP6	I2
AP7	I2
AP13	A2
AP16	C1
IC600	H3
IC601	G3
IC800	C2
IC801	B2
IC802	C4
IC1000	G2
IC2000	D1
IC2300	F3
IC3000	C4
IC3002	D5
Q610	G2
Q611	G2
Q615	H3
Q800	C2
Q802	G2
Q803	C1
Q804	C1
Q805	C2
Q806	C3
Q807	C2
Q808	C3
Q809	C2
Q812	D4
Q813	D4
Q2000	D2
Q2001	D2
Q2005	E1
Q2007	E3

SUB P.C.BOARD (VEP18104A/B)



(FOIL SIDE)

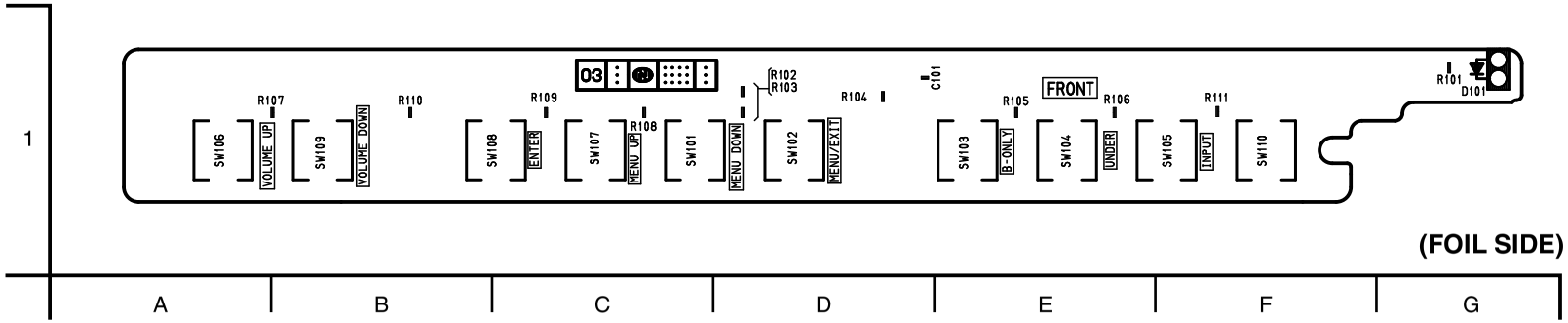
REF	LOC	REF	LOC
IC1003	C3	Q4000	B4
IC1004	C3	Q4001	B4
IC1005	B3	Q4002	B4
IC4002	B3	Q4003	B4
IC6402	D2	Q4004	B4
IC6406	D2	Q4005	B4
IC6408	C2	Q4006	B4
IC6409	C2	Q4009	B4
Q1004	B2	Q4010	B4
Q1005	B2	Q4011	B4
Q1008	A2	Q6401	D1
Q1009	A2	Q6402	D2
Q1010	B2	Q6404	D2
Q1016	B1	Q6406	D1
Q1017	B1	Q6408	D1



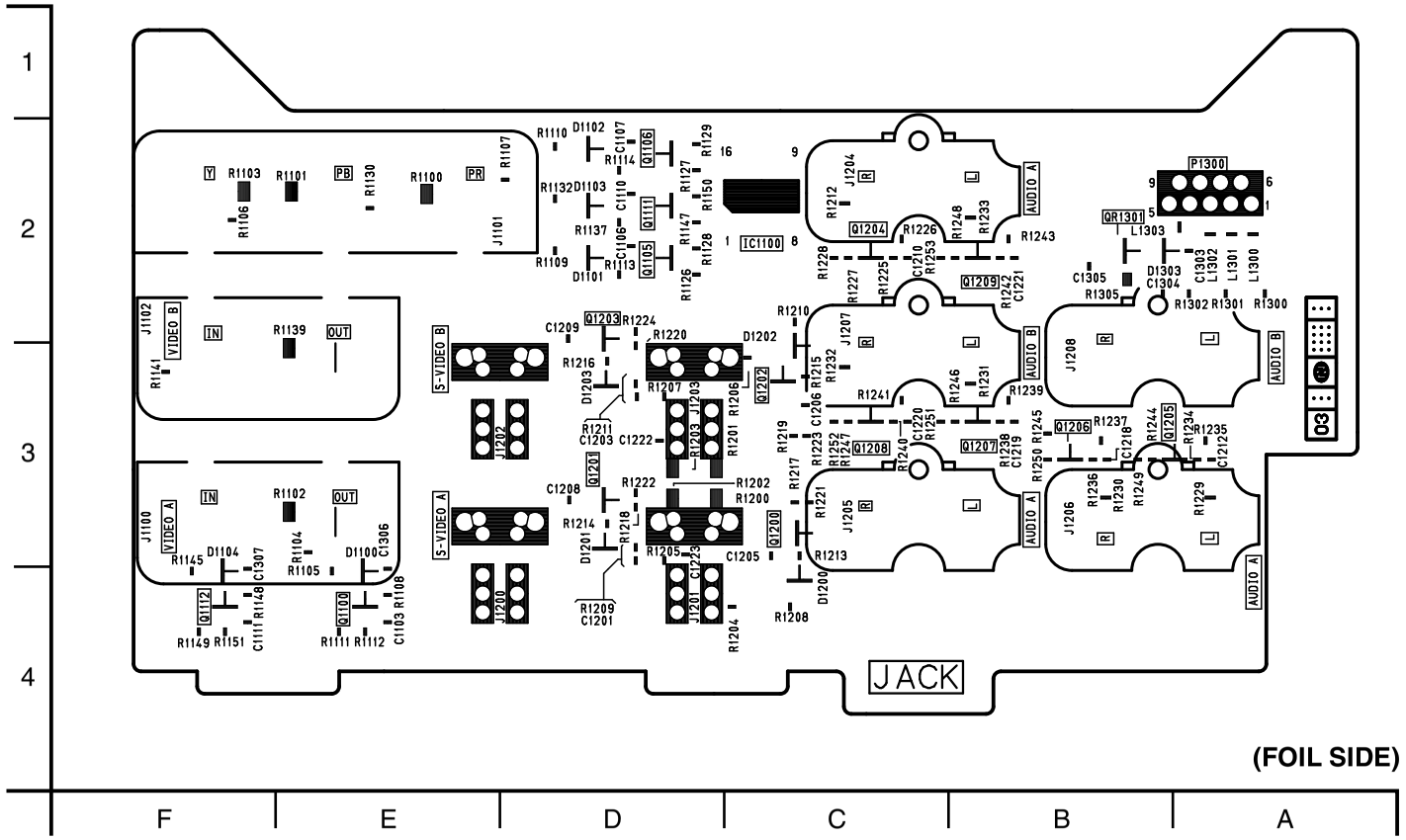
(COMPONENT SIDE)

REF	LOC	REF	LOC
IC1000	B3	Q1018	B1
IC1001	B4	Q6300	E3
IC1002	C3	Q6301	E3
IC1007	A3	Q6400	E5
IC4000	A3	Q6403	D4
IC4001	B1	Q6405	D4
IC4003	C2	Q6407	D4
IC4004	C3	Q6409	D4
IC6300	D2	Q6410	D4
IC6400	D3	Q6411	E5
IC6401	C3	Q6412	E4
IC6403	D3	Q6413	D4
IC6404	D3	TP236	D1
IC6405	D4	TP237	D1
IC6407	D4	TP238	D1
Q1000	A1	TP239	D1
Q1001	A1	DG1	A2
Q1002	A3	DG2	C1
Q1003	A3	DG4	D5
Q1006	A3	DG5	C5
Q1007	A3	DG6	D1
Q1014	C3	DG7	E1
Q1015	C3		

FRONT P.C.BOARD (VEP18105A)

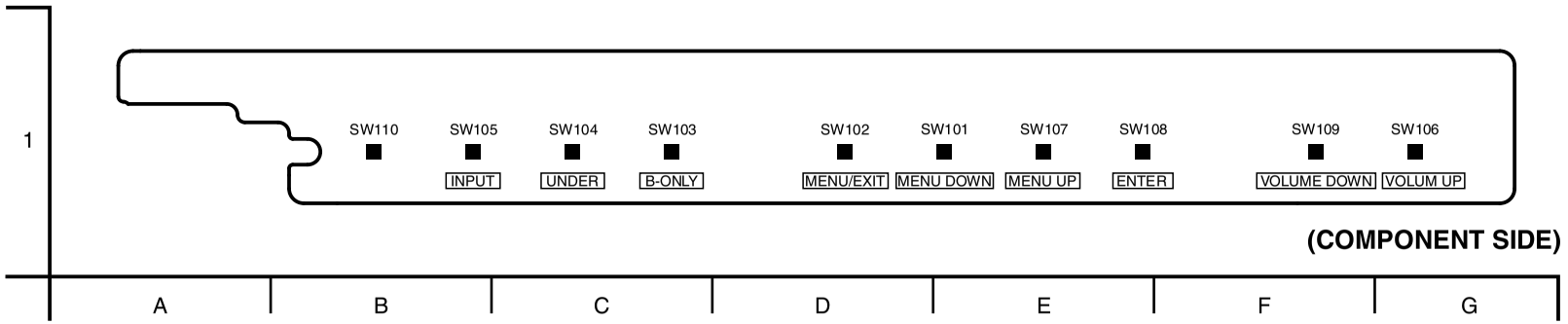


JACK P.C.BOARD (VEP18106A)



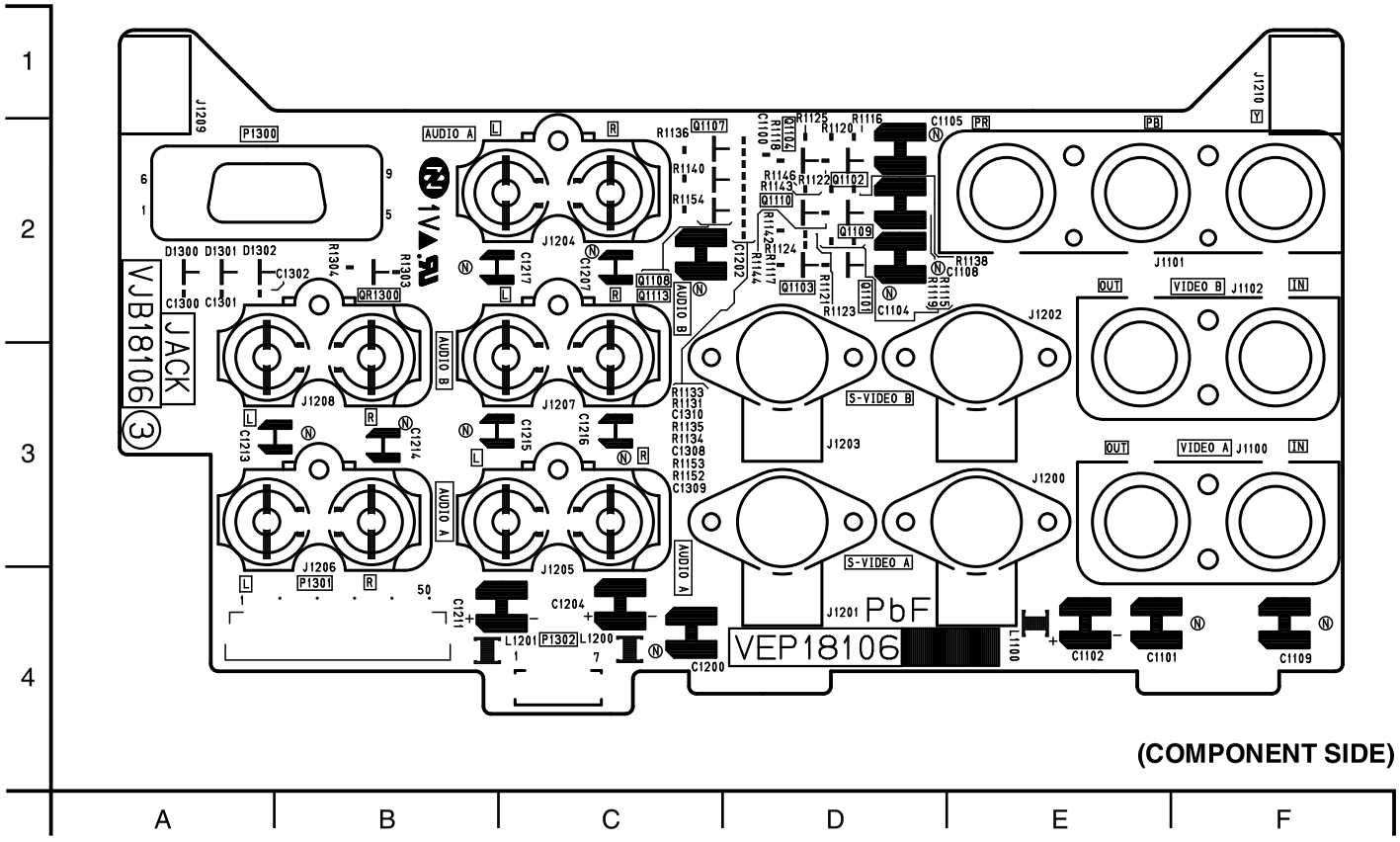
REF	LOC
IC1100	C2
Q1100	E3
Q1105	D2
Q1106	D2
Q1111	D2
Q1112	F3
Q1200	C3
Q1201	D3
Q1202	C3
Q1203	D2
Q1204	C2
Q1205	A3
Q1206	B3
Q1207	B3
Q1208	C3
Q1209	B2
QR1301	B2

FRONT P.C.BOARD (VEP18105A)



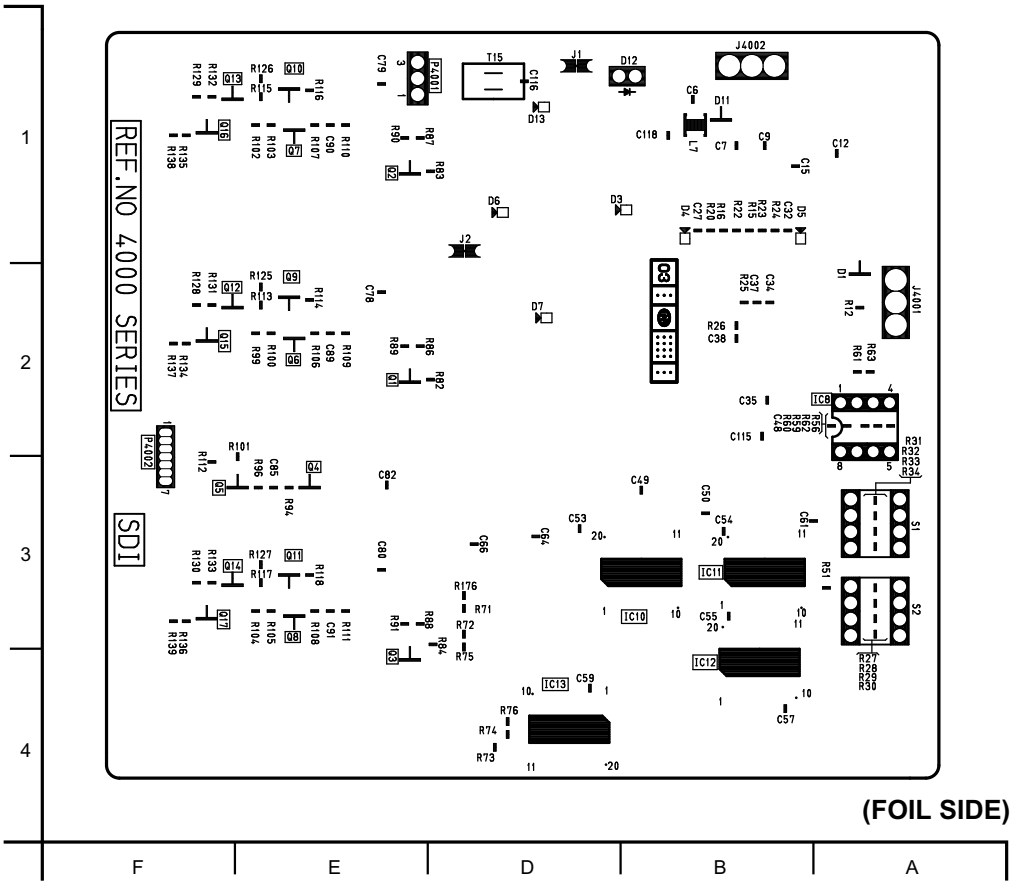
REF	LOC
SW101	E1
SW102	D1
SW103	C1
SW104	C1
SW105	B1
SW106	F1
SW107	E1
SW108	E1
SW109	F1
SW110	B1
P101	D1
P102	G1
P103	B1

JACK P.C.BOARD (VEP18106A)



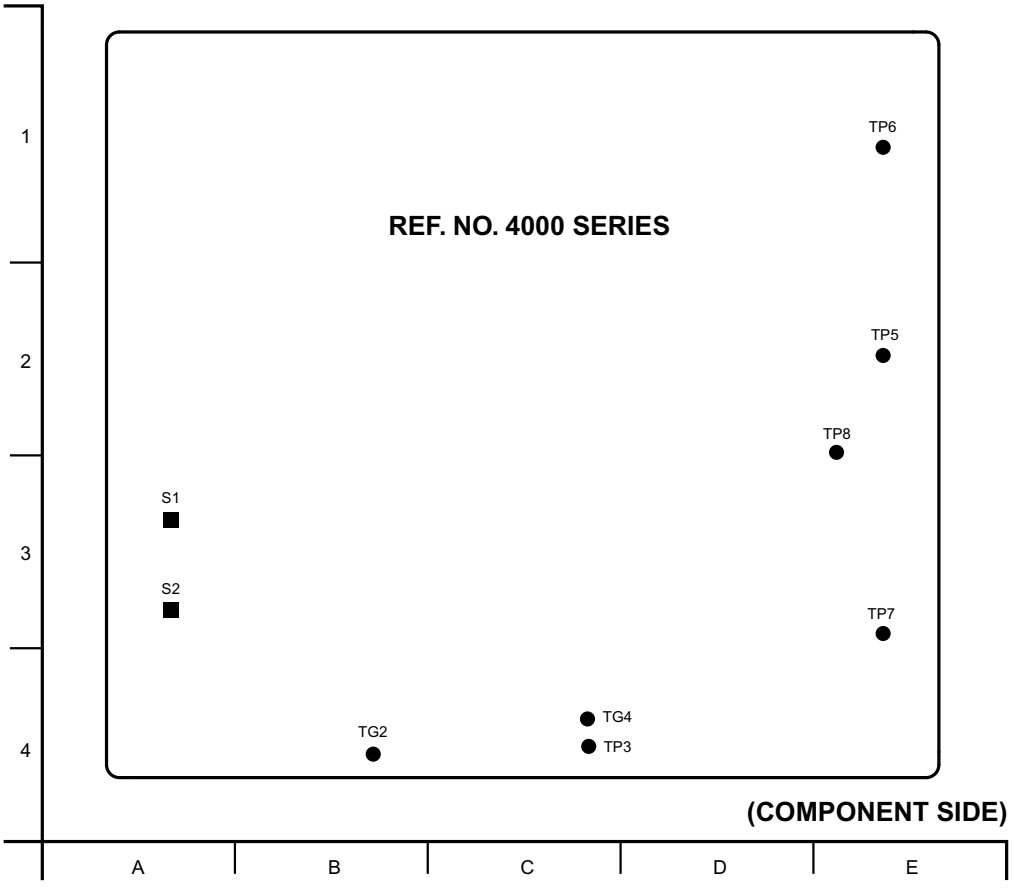
REF	LOC
P1300	A2
P1301	B4
P1302	C4
Q1101	D2
Q1102	D2
Q1103	D2
Q1104	D2
Q1107	C2
Q1108	C2
Q1109	D2
Q1110	D2
Q1113	C2
QR1300	B2

SDI INPUT UNIT (BT-YA210G)



(FOIL SIDE)

REF	LOC
IC4010	B3
IC4011	B3
IC4012	B4
IC4013	C4
Q4001	D2
Q4002	D1
Q4003	D4
Q4004	D3
Q4005	D3
Q4006	D2
Q4007	D1
Q4008	D3
Q4009	D2
Q4010	D1
Q4011	D3
Q4012	E2
Q4013	E1
Q4014	E3
Q4015	E2
Q4016	E1
Q4017	E3



(COMPONENT SIDE)

REF	LOC
IC4001	B1
IC4002	B1
IC4003	A2
IC4004	B2
IC4005	C1
IC4006	C2
IC4007	B3
IC4008	A2
IC4009	C2
IC4014	C4
P4001	C1
P4002	E3
S4001	A3
S4002	A3
TG4002	B4
TG4004	C4
TP4001	A2
TP4003	C4
TP4005	E2
TP4006	E1
TP4007	E4
TP4008	D3

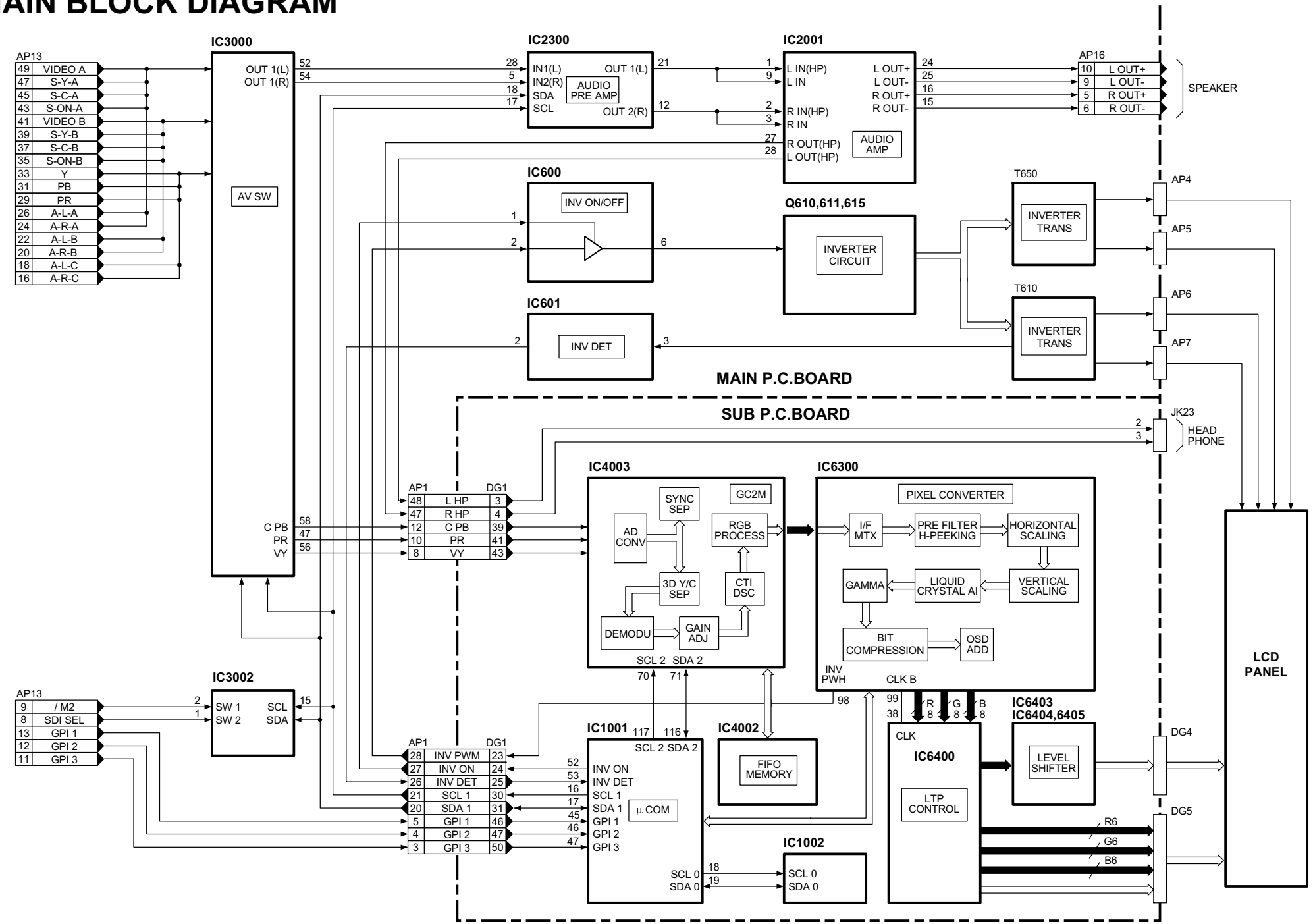
SECTION 4

BLOCK DIAGRAMS

CONTENTS

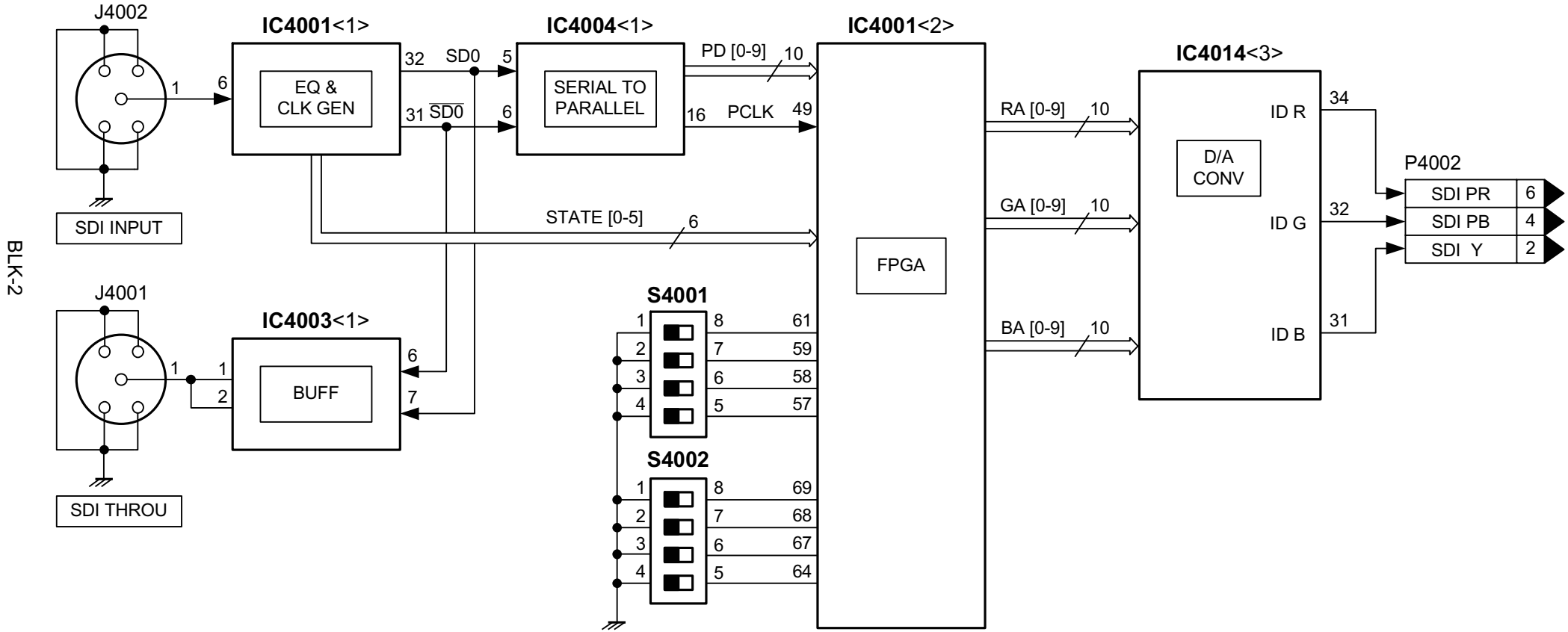
MAIN **BLK-1**
SDI INPUT UNIT **BLK-2**

MAIN BLOCK DIAGRAM



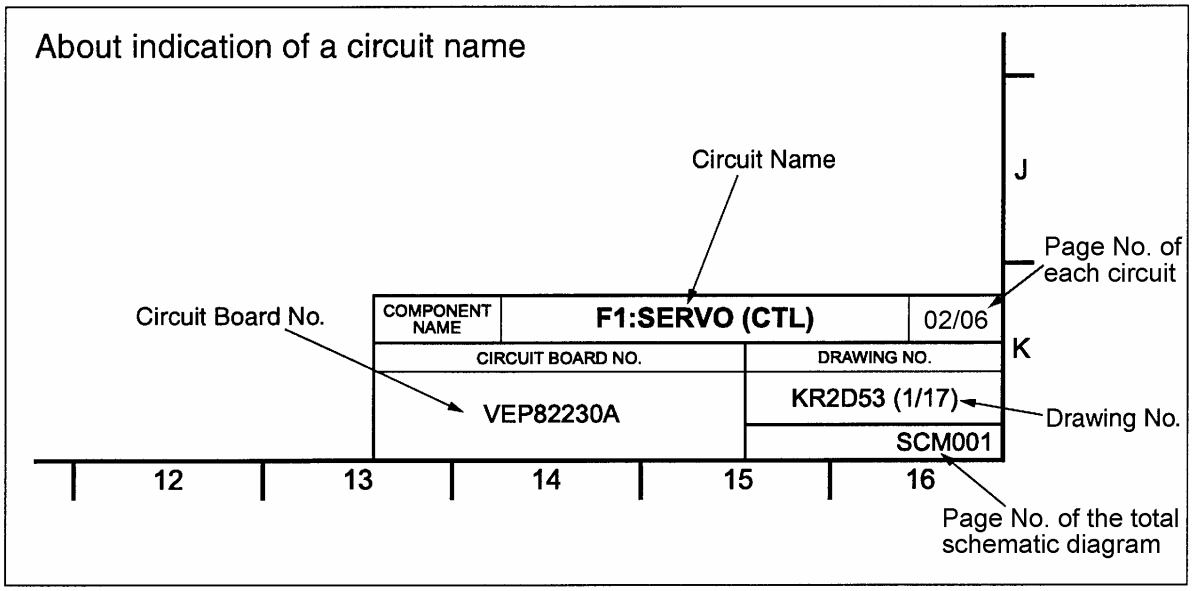
BLK-1

SDI INPUT UNIT (BT-YA210G) BLOCK DIAGRAM



SECTION 5

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION7

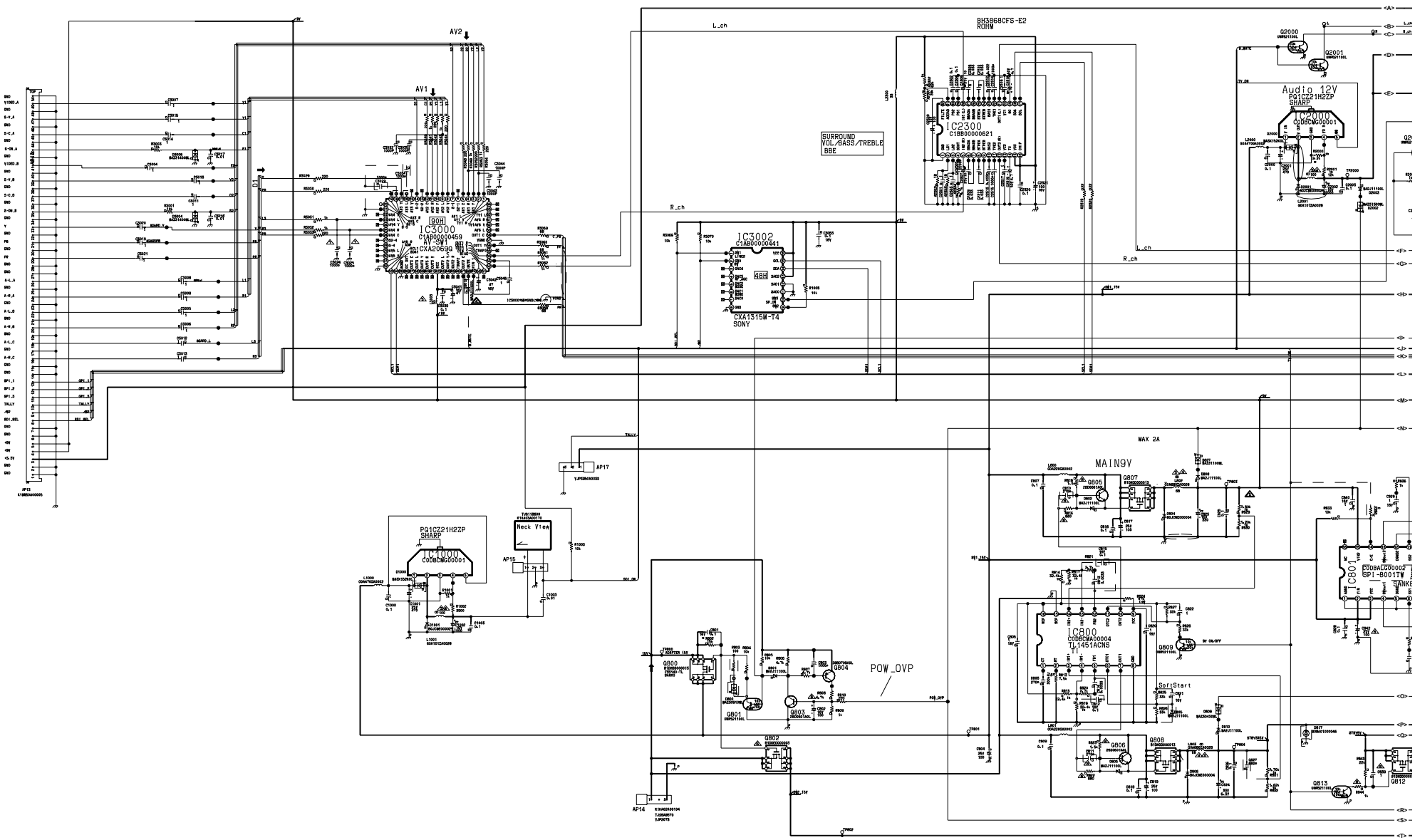
CAUTION

THE [ ] MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

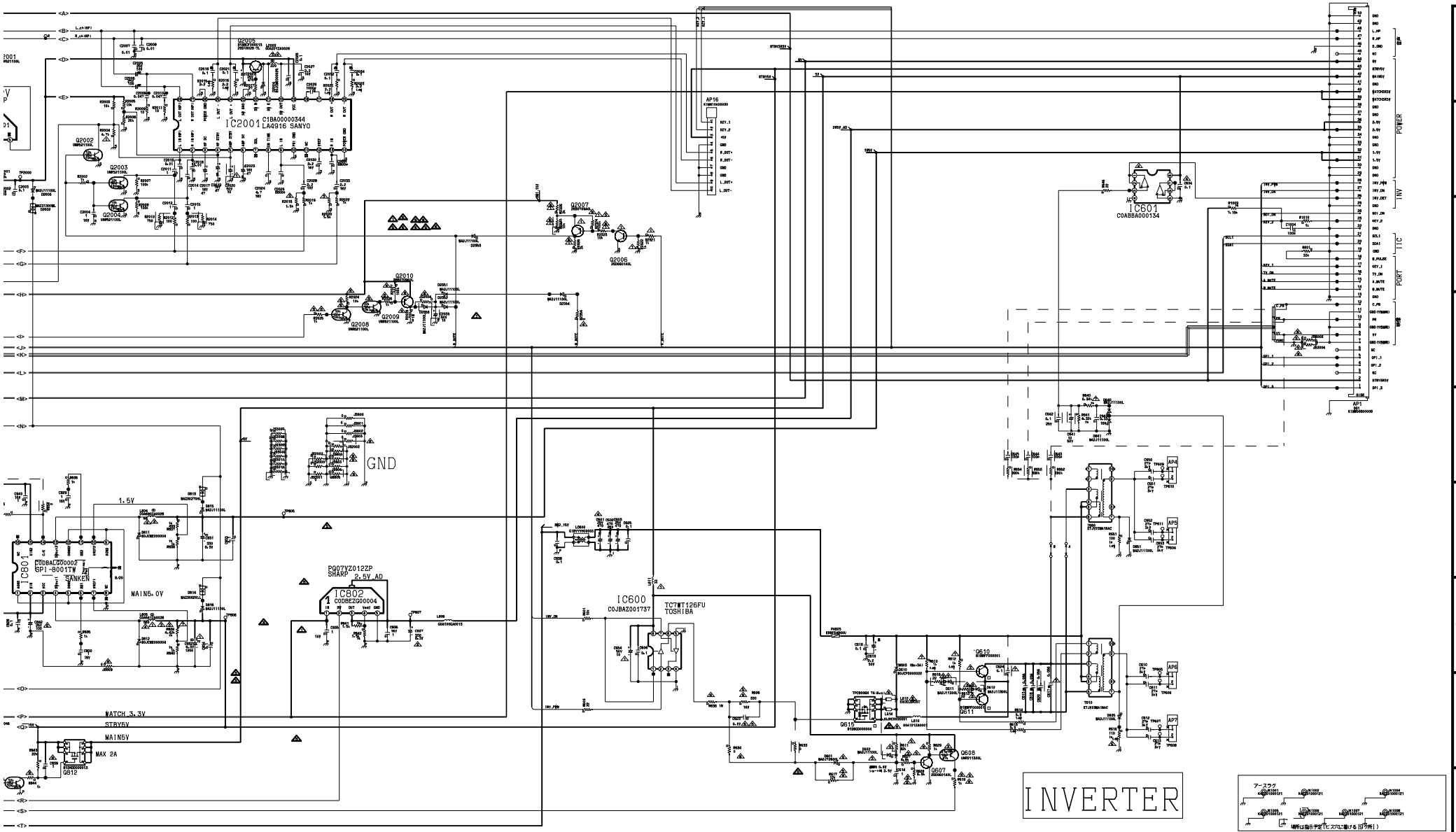
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

目　次

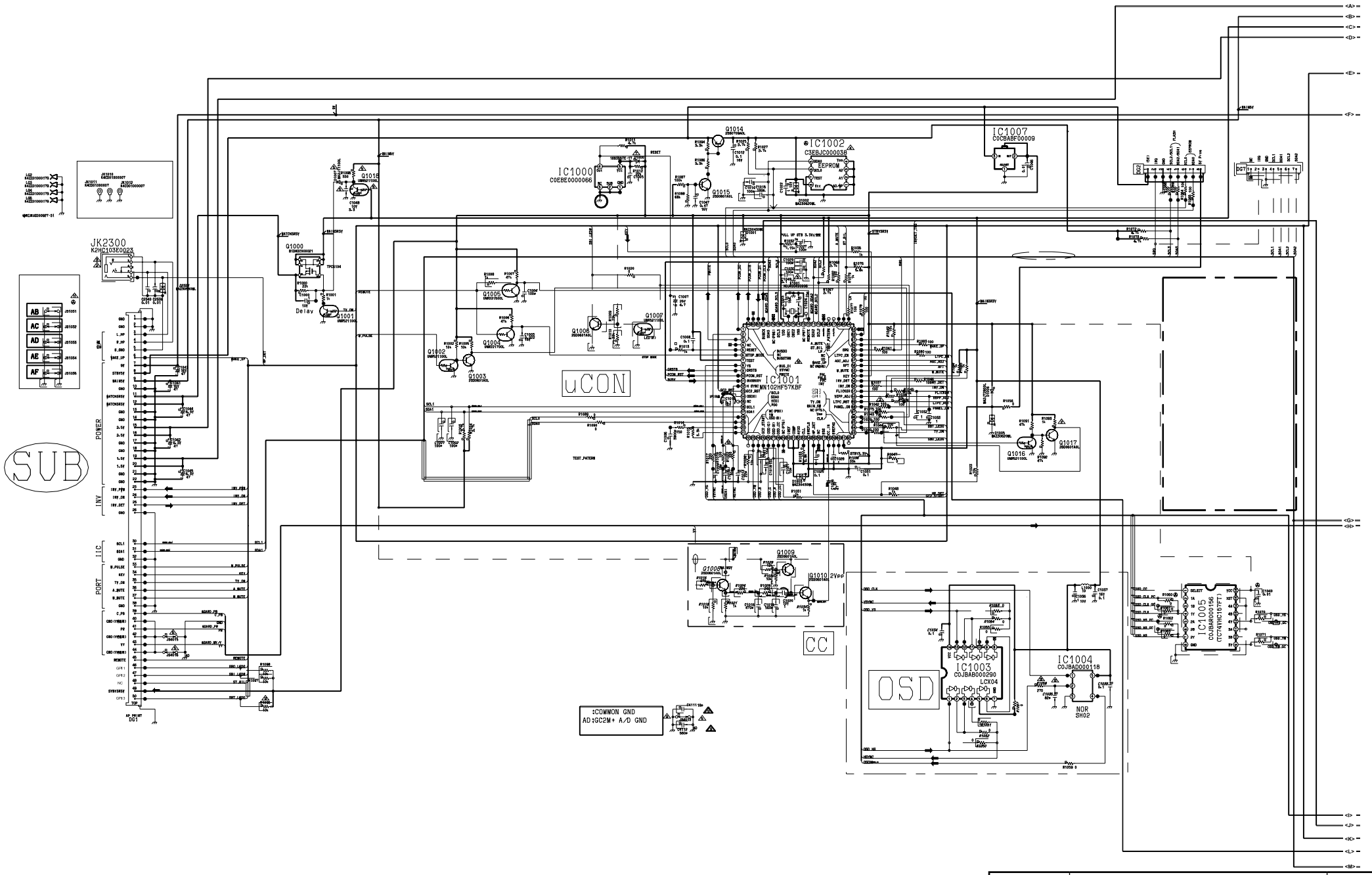
MAIN.....SCM001
SUB SCM003
FRONT SCM006
JACK SCM007
TALLY.....SCM010
POWER SW SCM011
SDI INPUT UNIT (BT-YA210G).....SCM012



COMPONENT NAME	MAIN	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP18103A		SCM001



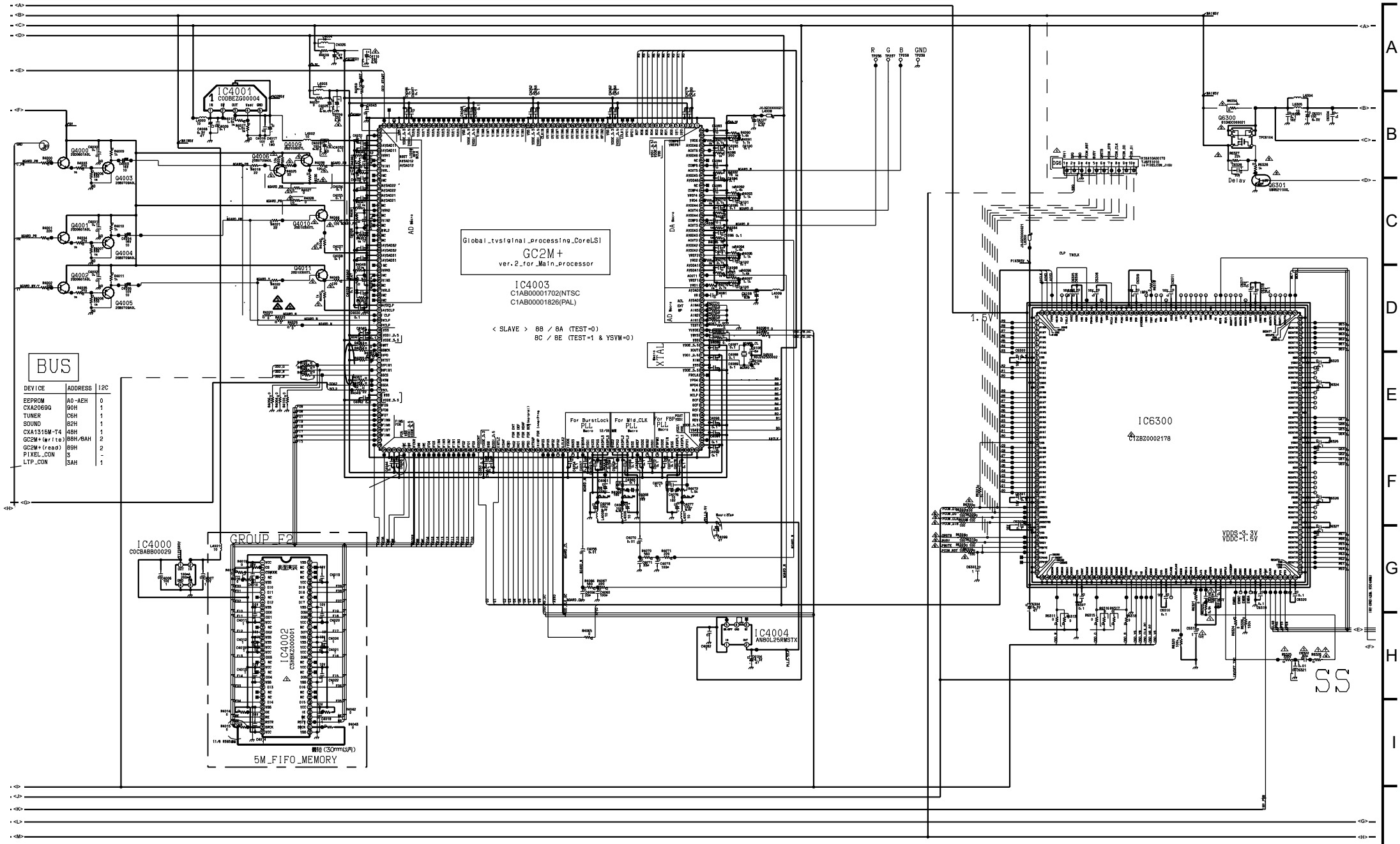
COMPONENT NAME	**MAIN**	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP18103A		
		SCM002



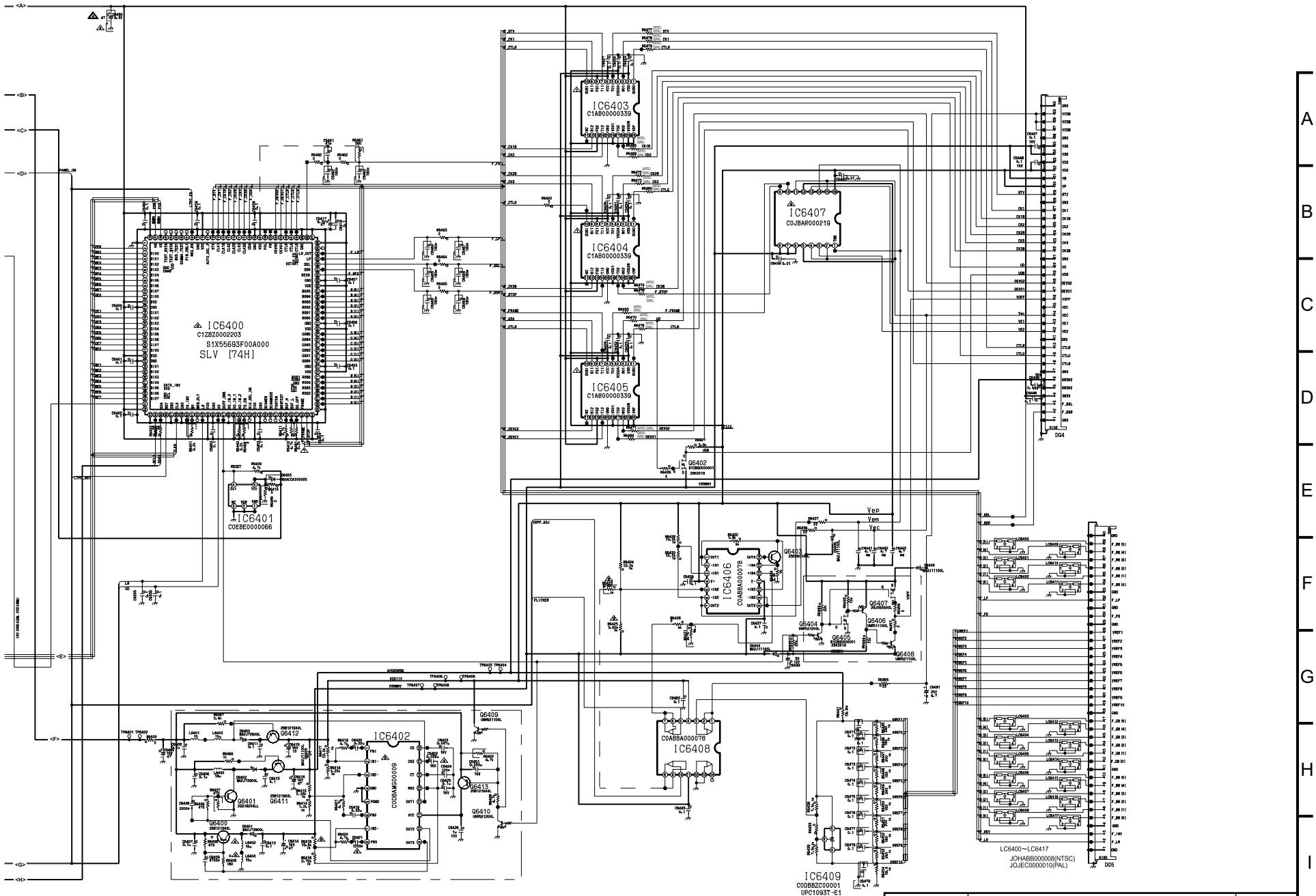
COMPONENT NAME	SUB	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP18104A/B		SCM003

A B C D E F G H I J

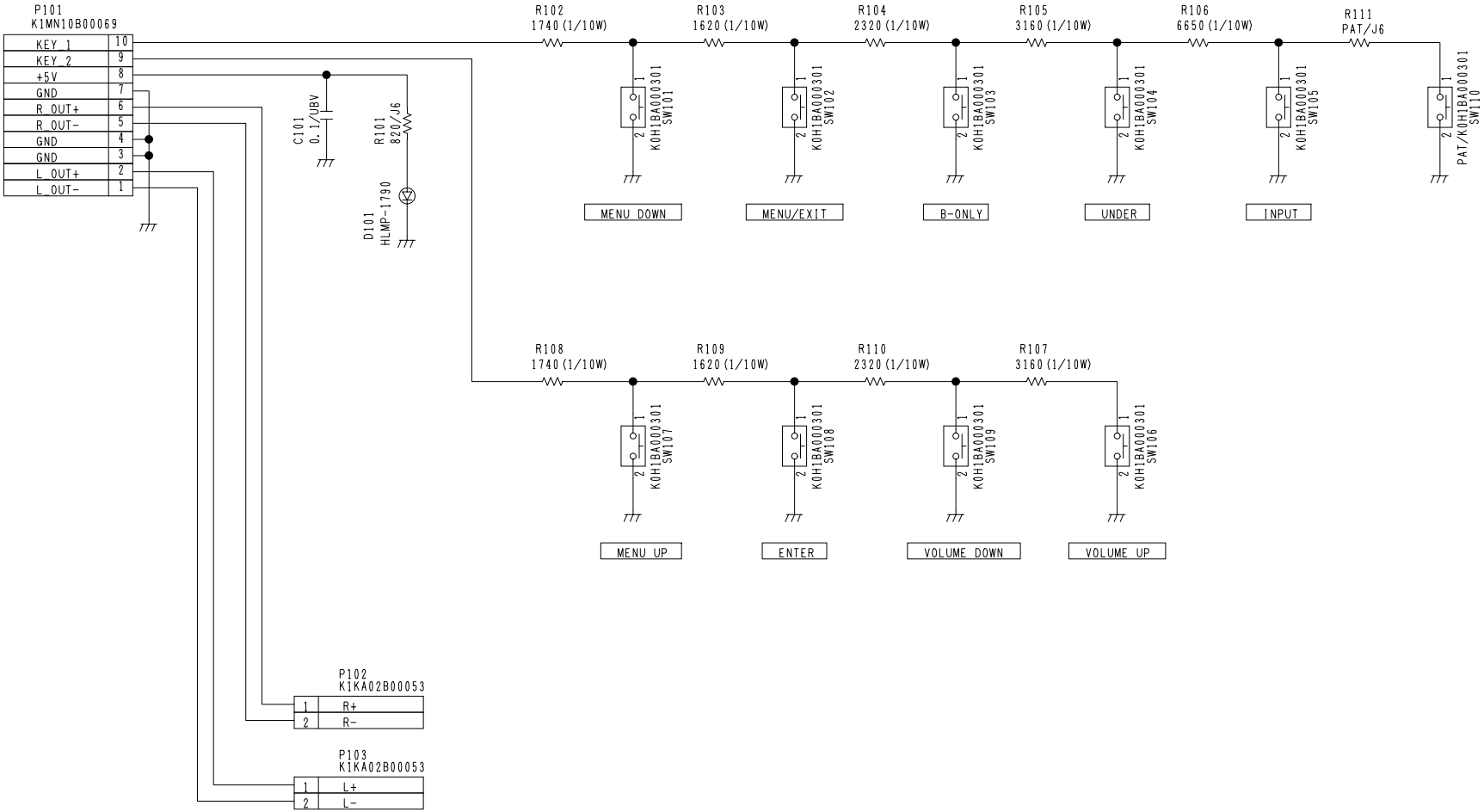
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



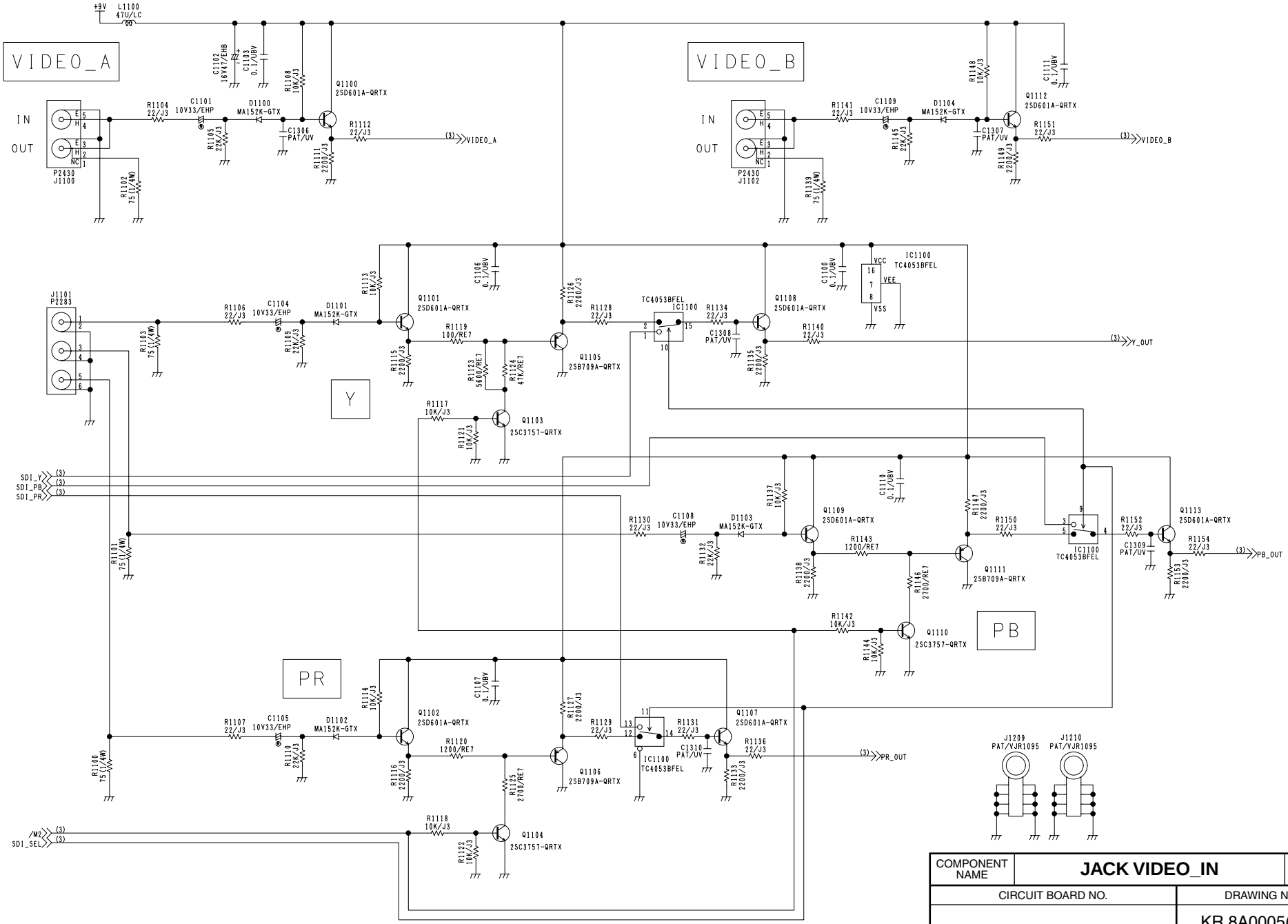
COMPONENT NAME	SUB	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP18104A/B		SCM004



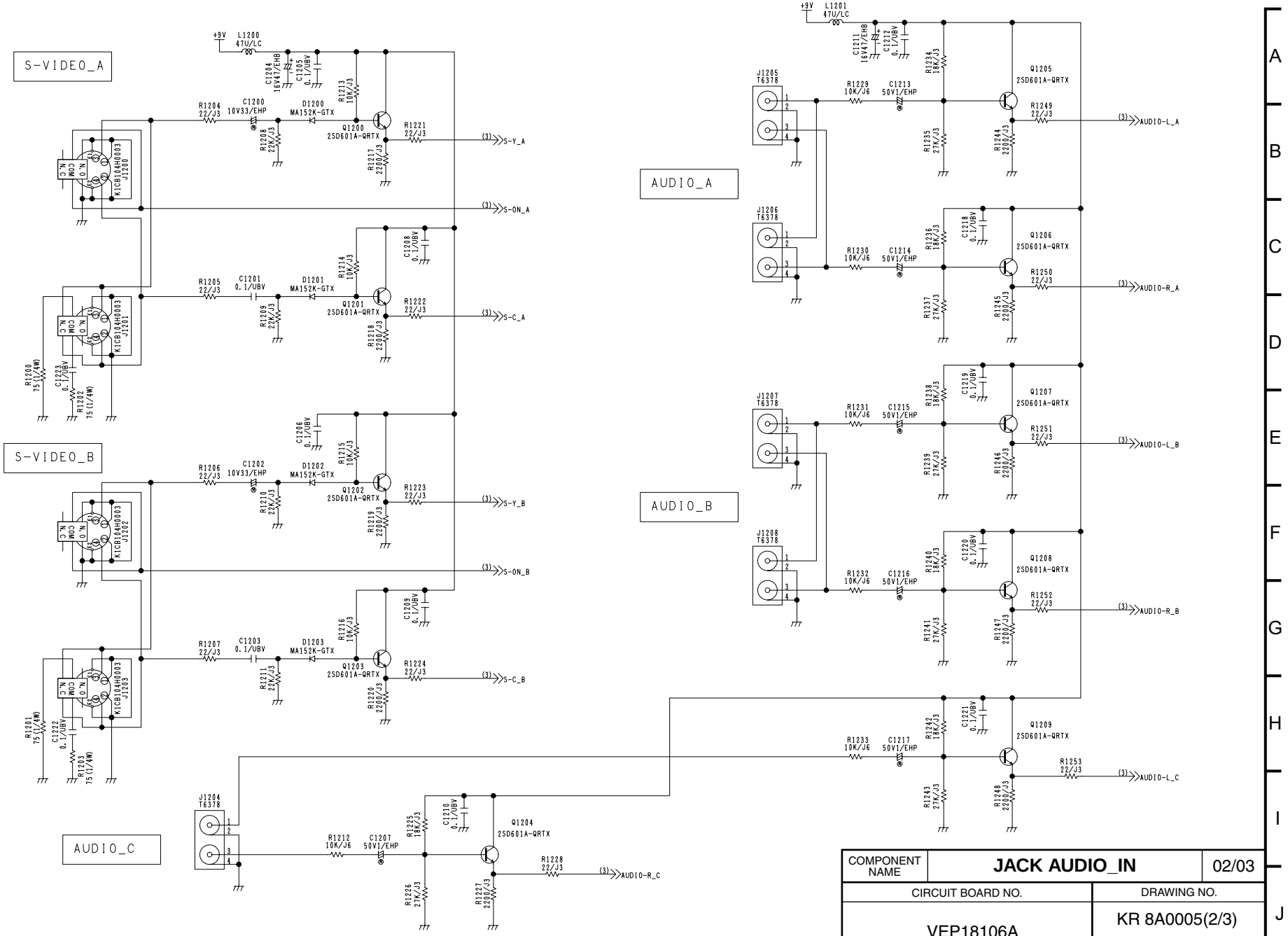
COMPONENT NAME	**SUB**	03/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP18104A/B		**SCM005**



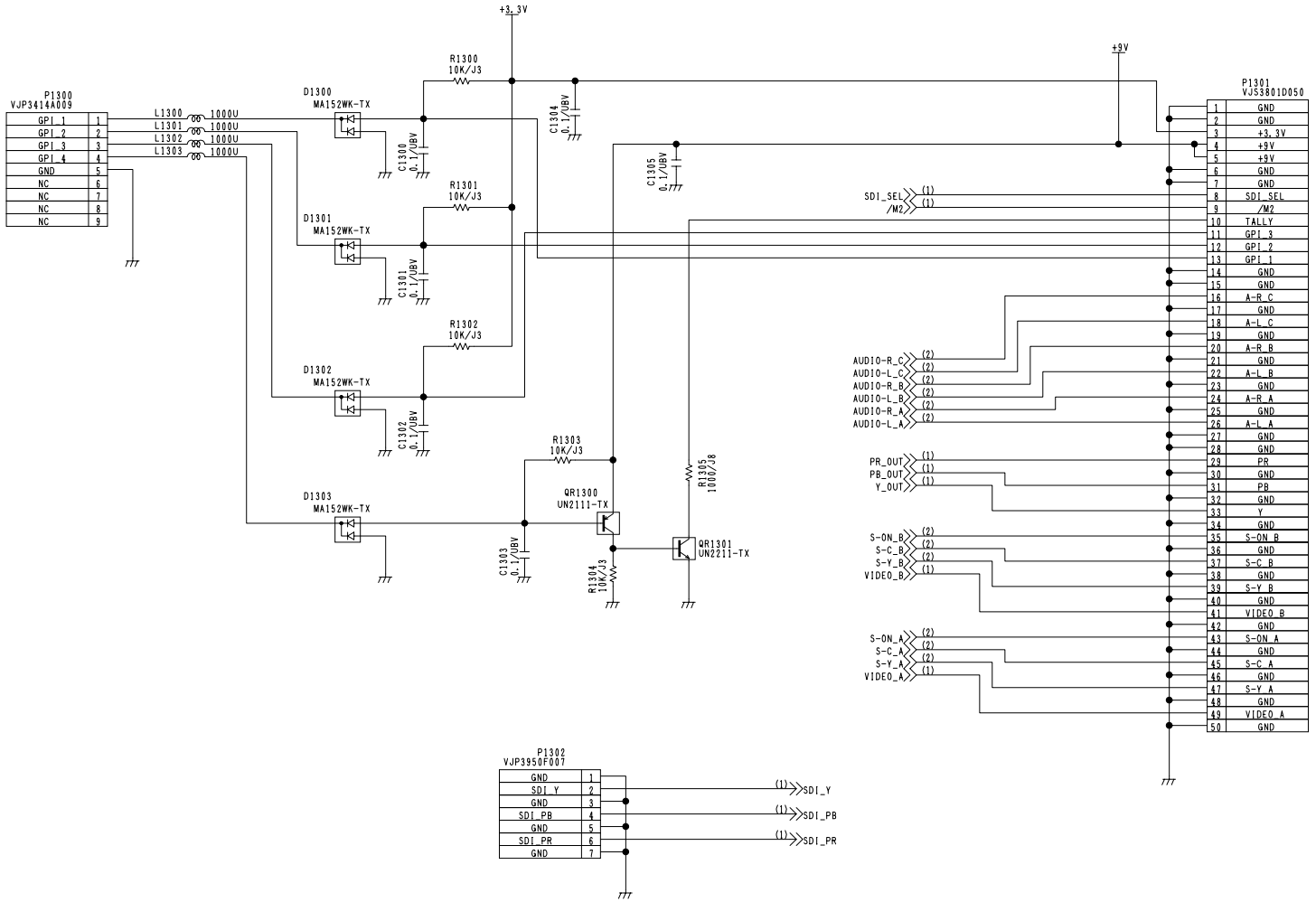
COMPONENT NAME	**FRONT**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP18105A		KR 8A0004
		SCM006



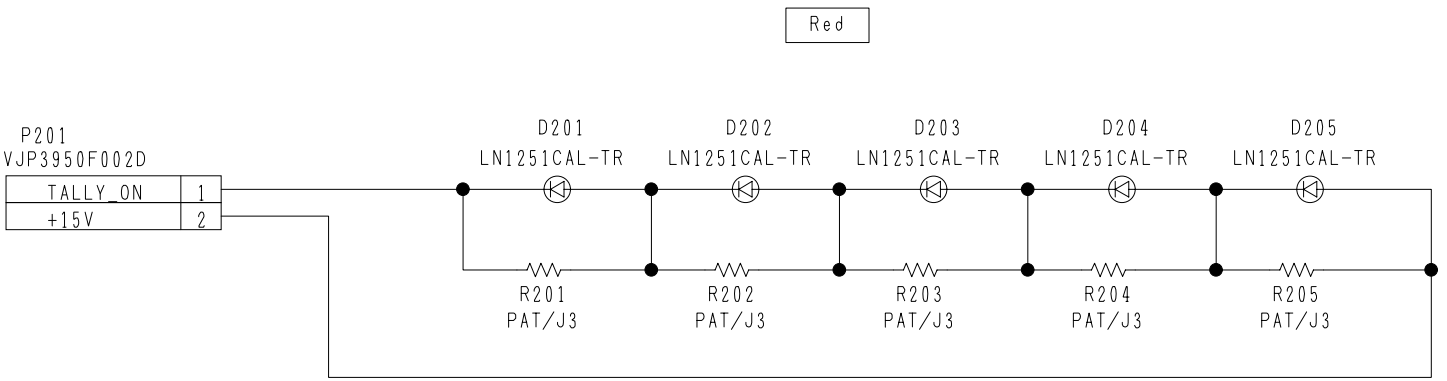
COMPONENT NAME	**JACK VIDEO_IN**	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP18106A		KR 8A0005(1/1)
		SCM007



COMPONENT NAME	JACK AUDIO_IN	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP18106A		KR 8A0005(2/3)
		SCM008



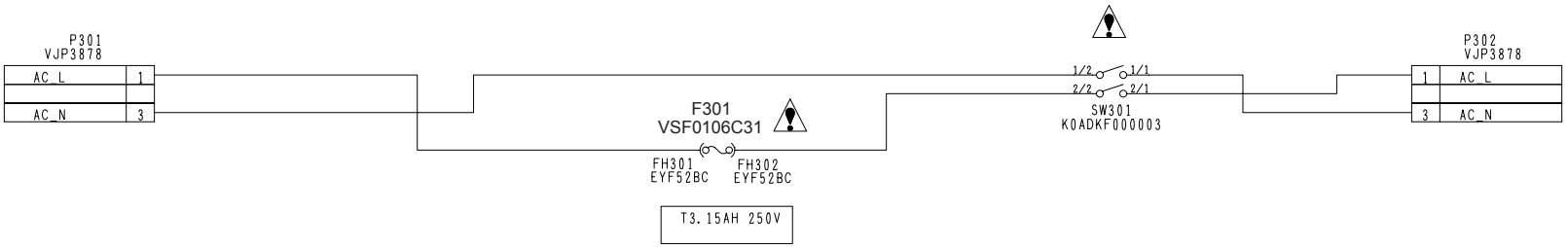
COMPONENT NAME	**JACK CONNECT**	03/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP18106A		KR 8A0005(3/3)
		SCM009



COMPONENT NAME	**TALLY**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP18107A		KR 8A0007
		SCM010

A B C D E F G H I J

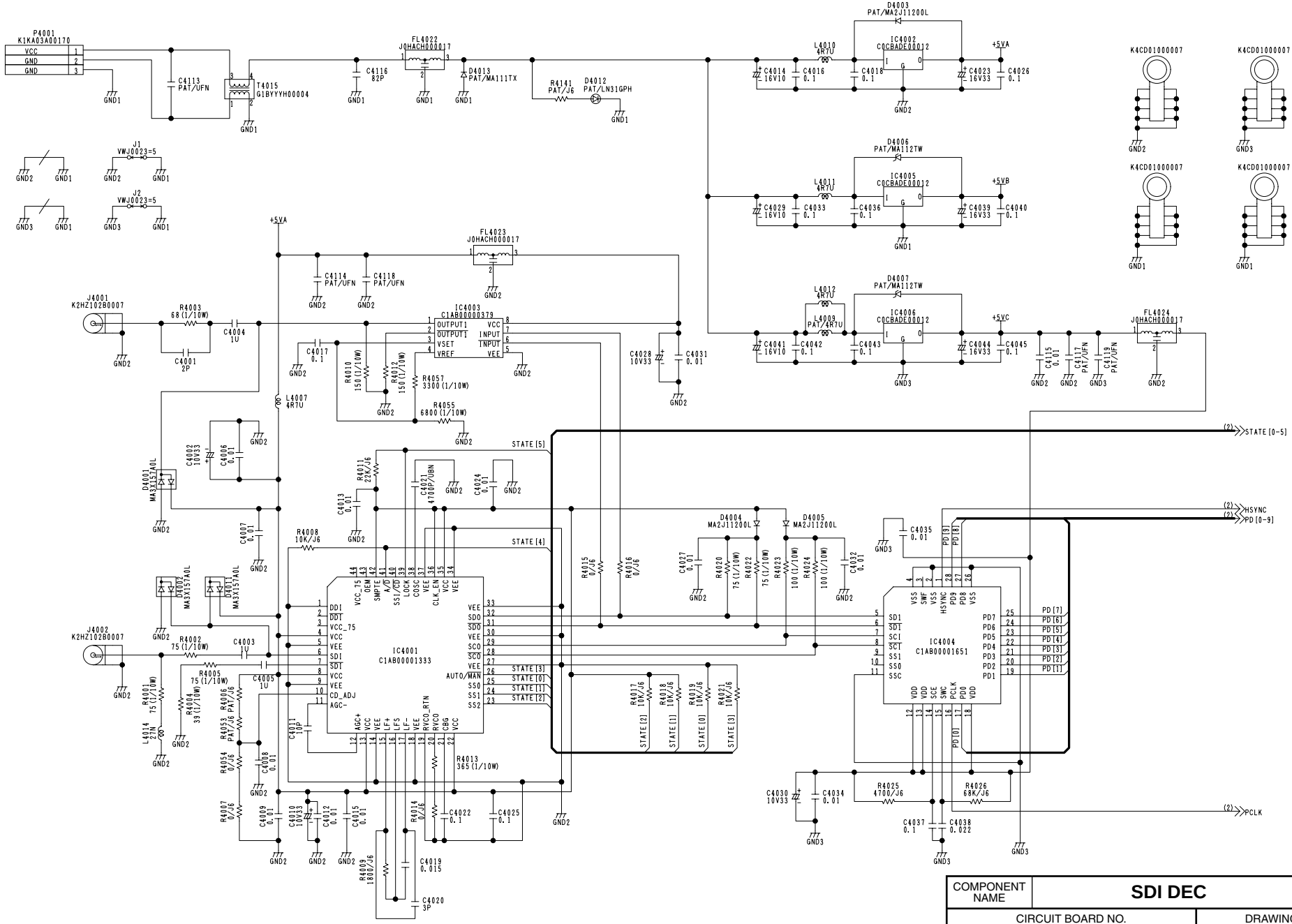
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



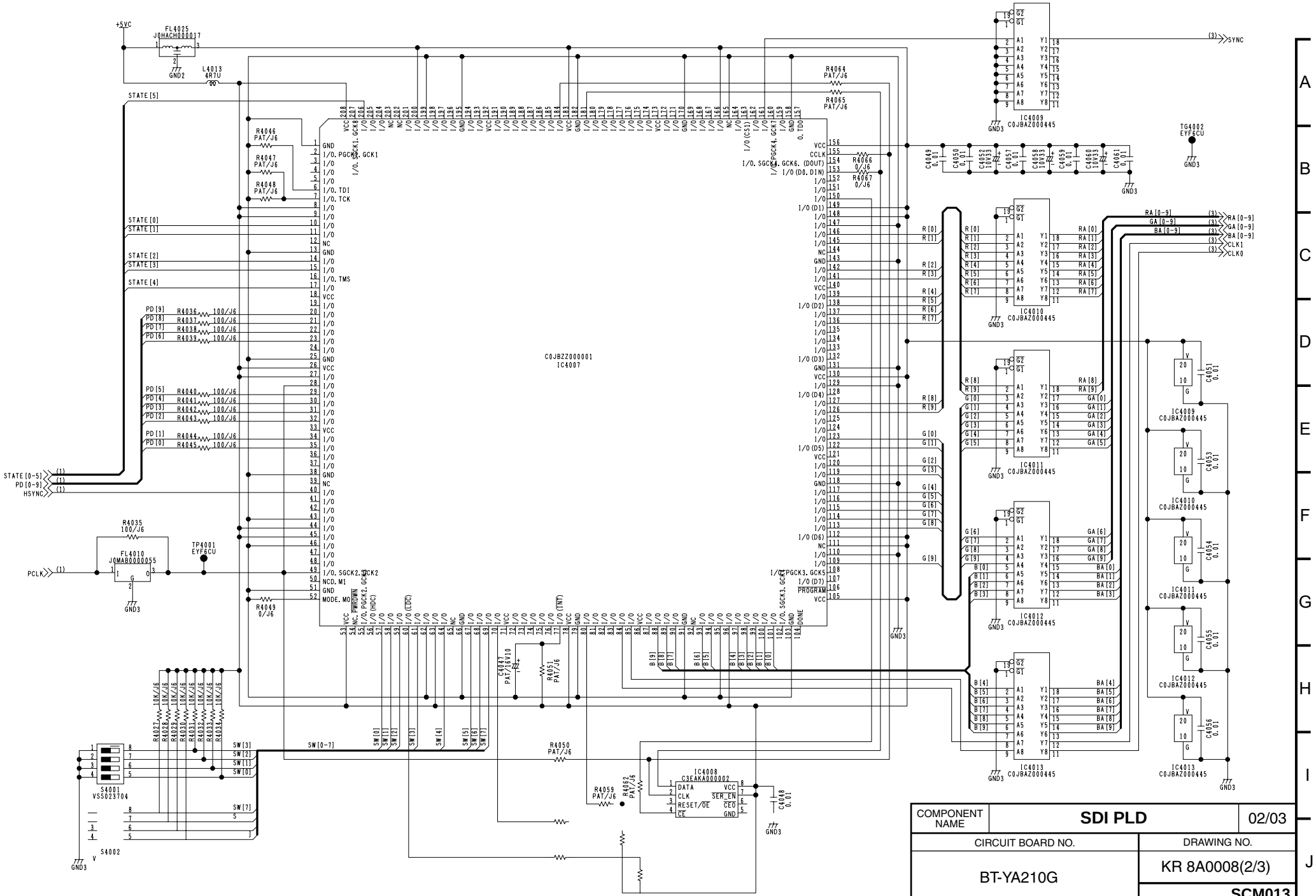
COMPONENT NAME	POWER SW	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP18108A		KR 8A0007
		SCM011

A B C D E F G H I J

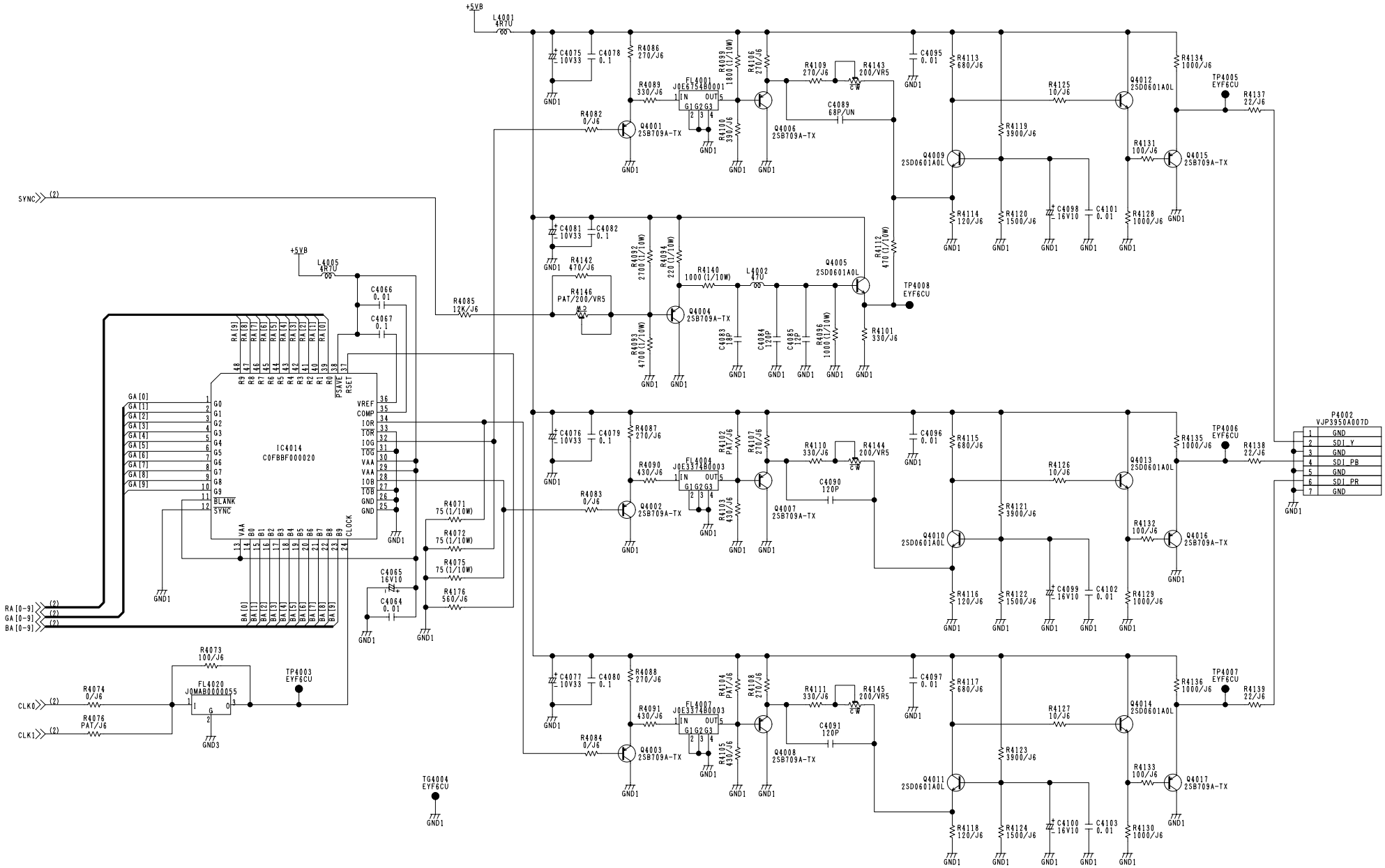
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	**SDI DEC**	01/03
CIRCUIT BOARD NO.		DRAWING NO.
BT-YA210G		KR 8A0008(1/3)
		SCM012



COMPONENT NAME	**SDI PLD**	02/03
CIRCUIT BOARD NO.		DRAWING NO.
BT-YA210G		KR 8A0008(2/3)
		SCM013



COMPONENT NAME	SDI D/A	03/03
CIRCUIT BOARD NO.		DRAWING NO.
BT-YA210G		KR 8A0008(3/3)
		SCM014

SECTION 6

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

CHASSIS & FRAME ASSEMBLY PRT-1
PACKING PARTS & ACCESSORIES ASSEMBLY PRT-3
ELECTRICAL REPLACEMENT PARTS LIST PRT-4

CHASSIS & FRAME ASSEMBLY

IMPORTANT SAFETY NOTICE:
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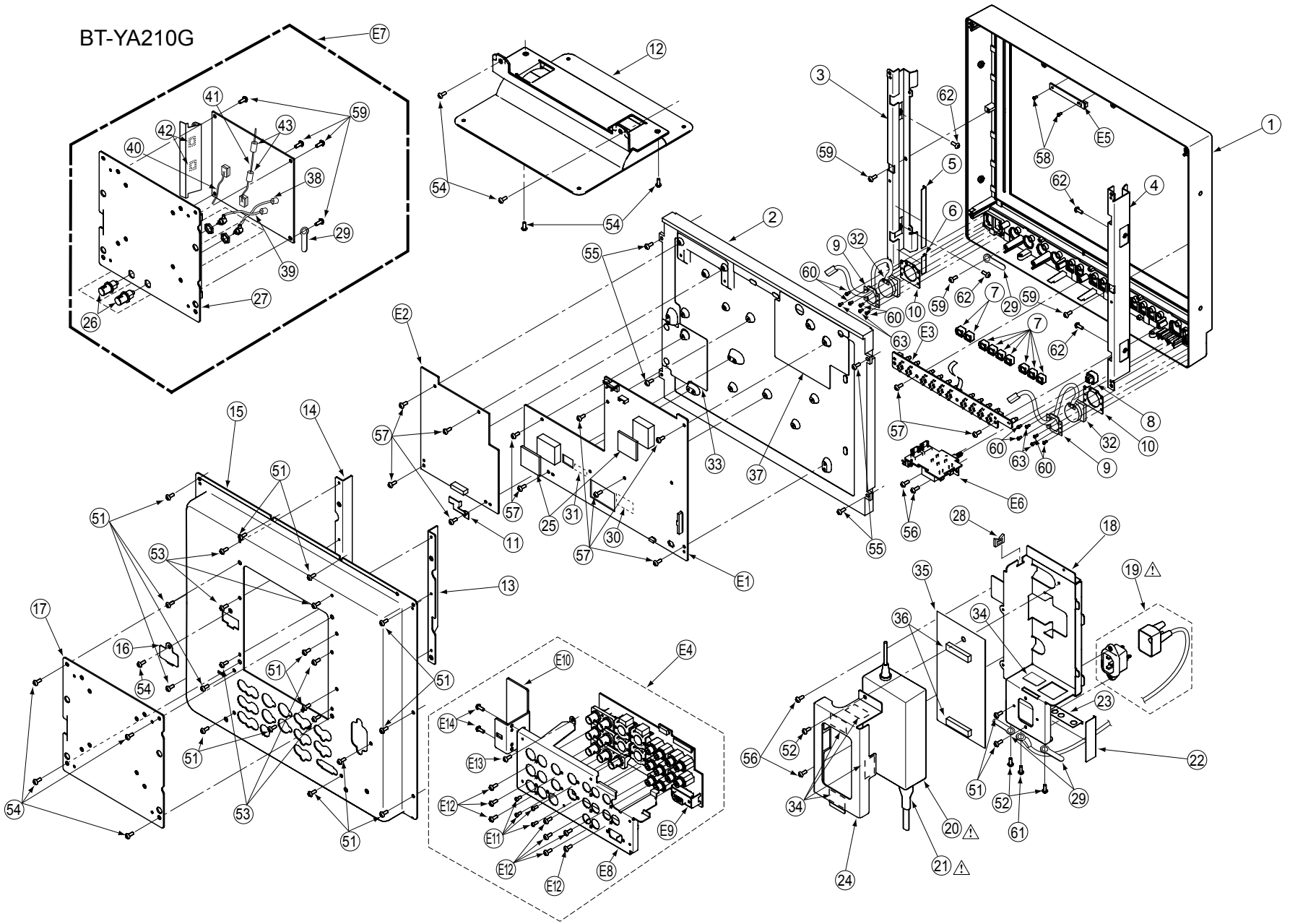

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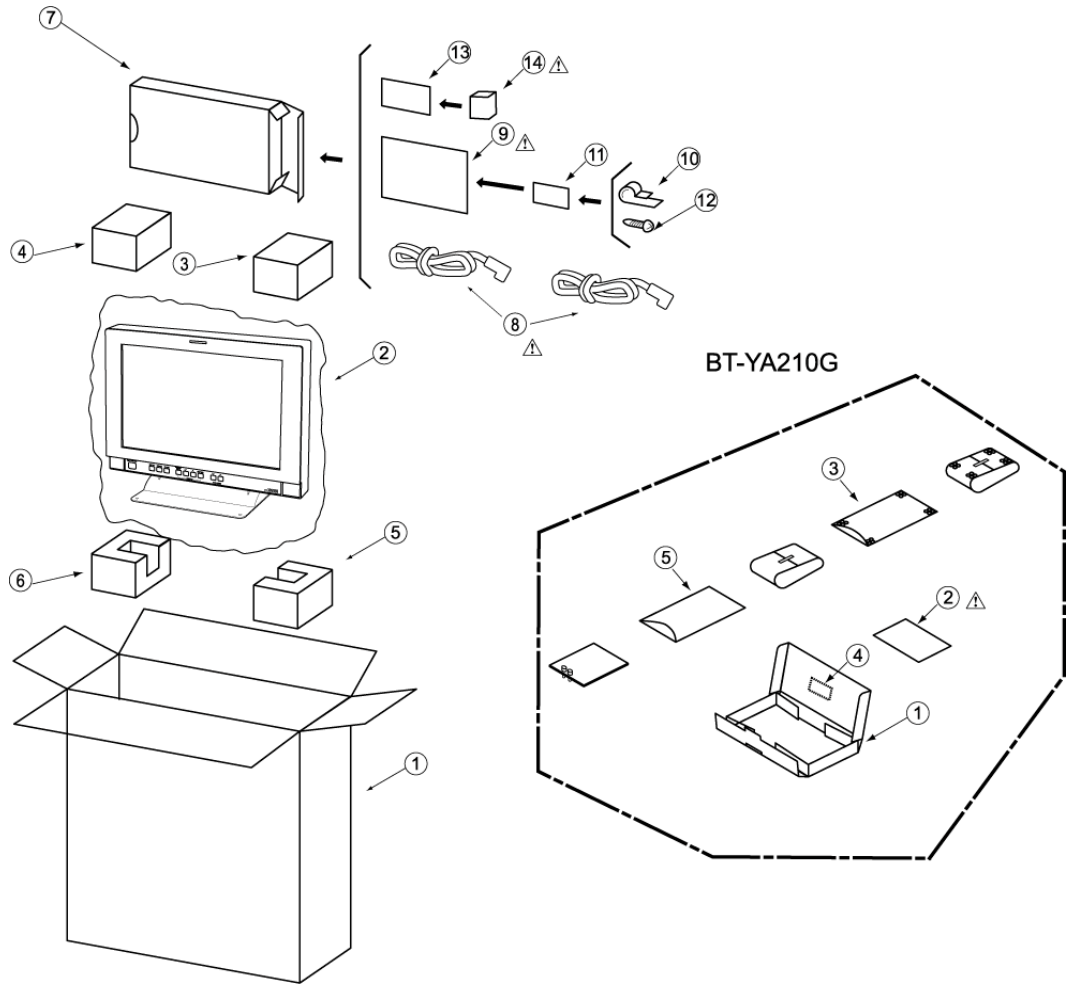
CHASSIS & FRAME ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8855	FRONT CASE 1 ASS'Y	1	FOR BT-LS1400P
1	VYP8946	FRONT CASE 1 ASS'Y	1	FOR BT-LS1400E
2	L5EDD3L00003	LCD PANEL	1	
3	VMP7849	LCD HOLDER ANGLE (R)	1	
4	VMP7848	LCD HOLDER ANGLE (L)	1	
5	VMZ3413	INSULATION SHEET A	1	
6	VMZ3414	INSULATION SHEET B	1	
7	VGU9106ZH	OPERATION BUTTON	9	
8	QGUG1040AA	POWER SWITCH BUTTON	1	
9	VMP7899	SPEAKER HOLDER ANGLE A	2	
10	VMP7924	SPEAKER HOLDER ANGLE B	2	
11	VMP7929	SHIELD CASE HOLD ANGLE	1	
12	VYQ2871	STAND ASS'Y	1	
13	VMP7869	HOLDER ANGLE A	1	
14	VMP7868	HOLDER ANGLE B	1	
15	VGM2062	BACK CASE	1	
16	VMP7871	SERVICE C0VER	1	
17	VMP7840	BLIND PANEL	1	
⚠ 18	VMP7850	AC ADAPTOR HOLDER ANGLE	1	
⚠ 19	VEE0Y83	AC INLET CABLE ASS'Y	1	
⚠ 20	N0JZHK000013	AC ADAPTOR	1	
⚠ 21	VJA1168	CABLE COVER A	1	
22	VMZ3415	INSULATION SHEET D	1	
23	VMZ3416	INSULATION SHEET E	1	
24	VMP7851	AC ADAPTOR HOLD ANGLE	1	
25	VMG1591	CUSHION	2	
26	K1RBBBA00001	BNC TERMINAL	2	
27	VMP7870	SDI HOLDER ANGLE	1	
28	VJF1007	EDGE SADDLE	1	
29	VJF1443	CLAMPER	4	
30	VMT1529	HEAT SINK SHEET	1	
31	VMT1528	HEAT SINK SHEET	1	
32	VEK0G58	SPEAKER ASS'Y	2	
33	VMZ3418	SHIELD PLATE	2	
34	VMG1579	RUBBER CUSHION	5	
35	VMZ3397	AC ADAPTOR PROTECT SHEET	1	
36	VMG1592	RUBBER CUSHION	2	
37	VMZ3419	SHIELD PLATE	1	
38	K1TZA9D00081	BNC CABLE	1	
39	K1TZA9D00094	BNC CABLE	1	
40	VEE0Y81	SUB SDI CABLE	1	
41	VEE0Y80	SDI CABLE	1	
42	VJF1499	CABLE CLAMP	2	
43	JOKG00000001	FERRITE CORE	2	
51	XSB3+6FZ	SCREW	16	
52	XTV3+6F	SCREW	3	
53	XYN3+K6FZ	SCREW	6	
54	XSB4+6FZ	SCREW	9	
55	XTV3+8FFZ	SCREW	4	
56	XYN3+J8	SCREW	4	
57	XYN3+K8FR	SCREW	12	
58	XTB2+6GFZ	SCREW	2	
59	XYN3+K6	SCREW	7	
60	XYN2+J6	SCREW	8	
61	XYN4+E6VW	SCREW	1	
62	XSB4+4FZ	SCREW	4	
63	XQN2+A2	SCREW	4	
E1	VEP18103A	MAIN P.C.BOARD	1	(RTL)
E2	VEP18104A	SUB P.C.BOARD	1	(RTL)FOR BT-LS1400P
E2	VEP18104B	SUB P.C.BOARD	1	(RTL)FOR BT-LS1400E
E3	VEP18105A	FRONT P.C.BOARD	1	(RTL)
E4	VEP18106A	JACK P.C.BOARD	1	(RTL)
E5	VEP18107A	TALLY P.C.BOARD	1	(RTL)
E6	VEP18108A	POWER SW P.C.BOARD	1	(RTL)
E7	BT-YA210G	SDI INPUT UNIT	1	(RTL) OPTION

PACKING PARTS & ACCESSORIER ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG0V14	PACKING CASE	1	FOR BT-LS1400P
1	VPG0Y03	PACKING CASE	1	FOR BT-LS1400E
2	VPF0671	CUSHION	1	
3	VPN6080	CUSHION A	1	
4	VPN6081	CUSHION B	1	
5	VPN6106	CUSHION C	1	
6	VPN6107	CUSHION D	1	
7	VPG0W58	ACCESSORY CASE	1	
⚠ 8	VJA1170	AC CORD	1	FOR BT-LS1400P
⚠ 8	K2CL2CH00001	AC CORD	1	FOR BT-LS1400E (FOR UK)
⚠ 8	K2CT3CH00001	AC CORD	1	FOR BT-LS1400E
⚠ 9	VQT0F29	OPERATING INSTRUCTIONS	1	FOR BT-LS1400P
⚠ 9	VQT0J22	OPERATING INSTRUCTIONS	1	FOR BT-LS1400E

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
10	VJF0033	NYLON CLAMP	1	
11	VPF1016	POLYETHYLENE BAG	1	
12	XYN4+J8FN	SCREW	1	
⚠ 14	K2DF61D00001	3P-2P CONVERSION ADAPTOR	1	

SDI INPUT UNIT (BT-YA210G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG0H68	PACKING CASE	1	
⚠ 2	VQT0F55	OPERATING INSTRUCTIONS	1	
3	VPF0678	AIR CAP	2	
4	VQL9822	PACKING LABEL	1	
5	VPF0359	POLYETHYLENE BAG	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP18103A	MAIN P.C.BOARD	1	(RTL)
■ E2	VEP18104A	SUB P.C.BOARD	1	(RTL)FOR BT-LS1400P
■ E2	VEP18104B	SUB P.C.BOARD	1	(RTL)FOR BT-LS1400E
■ E3	VEP18105A	FRONT P.C.BOARD	1	(RTL)
■ E4	VEP18106A	JACK P.C.BOARD	1	(RTL)
■ E5	VEP18107A	TALLY P.C.BOARD	1	(RTL)
■ E6	VEP18108A	POWER SW P.C.BOARD	1	(RTL)
■ E7	BT-YA210G	SDI INPUT UNIT	1	(RTL) OPTION
■ E1	VEP18103A	MAIN P.C.BOARD	1	(RTL)
AP1	K1MN50B00016	CONNECTOR	1	
AP4-P7	K1KA02B00123	CONNECTOR (MALE)	4	
AP13	K1MN50A00005	CONNECTOR	1	
AP14	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
AP15	K1KA03A00170	CONNECTOR (MALE)	1	
AP16	K1MN10A00030	CONNECTOR	1	
AP17	VJP3950A003D	CONNECTOR (MALE)	1	
C601-03	EEUFC1E471	E.CAPACITOR 25V 470U	3	
C604-06	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	3	
C610-13	F1A3F2700002	C.CAPACITOR 3150V 27P	4	
C614	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	
C615-17	ECHU1H563JB9	C.CAPACITOR CH 50V 0.056U	3	
C618	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C619	EEUFC1H2R2	E.CAPACITOR 50V 2.2U	1	
C623	ECJ2VB1C224K	C.CAPACITOR CH 16V 0.22U	1	
C640	ECJ2VF1C334Z	C.CAPACITOR CH 16V 0.33U	1	
C650-53	F1A3F2700002	C.CAPACITOR 3150V 27P	4	
C654	EEUFC1H100	E.CAPACITOR 50V 10U	1	
C801	ECJ2VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C802	EEUFC1C101	C.CAPACITOR 16V 100U	1	
C803	ECJ2VC1H102J	C.CAPACITOR CH 50V 1000P	1	
C804	EEUFC1E101S	E.CAPACITOR 25V 100U	1	
C805	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	
C807	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C808	ECJ2VC1H271J	C.CAPACITOR CH 50V 270P	1	
C809	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C813,14	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	2	
C816	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C817	EEUFC1E101S	E.CAPACITOR 25V 100U	1	
C818	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C819	EEUFC1E101S	E.CAPACITOR 25V 100U	1	
C820-22	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	3	
C823	EEUFC1C331	E.CAPACITOR 16V 330U	1	
C824	EEUFC0J331	E.CAPACITOR 6.3V 330U	1	
C825,26	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C828	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C829,30	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	2	
C831	EEUFC0J331	E.CAPACITOR 6.3V 330U	1	
C832	EEUFC0J122	E.CAPACITOR 6.3V 1200U	1	
C833,34	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C835,36	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	2	
C837	EEUFC0J331S	E.CAPACITOR 6.3V 330U	1	
C838	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C839	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C840	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C842	EEUFC1E101S	E.CAPACITOR 25V 100U	1	
C1000	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1001	EEUFC1E471	E.CAPACITOR 25V 470U	1	
C1002	EEUFC1C102S	C.CAPACITOR 16V 1000U	1	
C1003	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
⚠ C1004	ECJ2VC1H101J	C.CAPACITOR CH 50V 100P	1	
C1005	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C2000	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C2001	EEUFC1E471	E.CAPACITOR 25V 470U	1	
C2002	EEUFC1C102S	C.CAPACITOR 16V 1000U	1	
C2003	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C2004	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	
C2005,06	ECA1EEN101	E.CAPACITOR 25V 100U	2	
C2007,08	ECJ2VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C2009,10	ECQB1H473JF	P.CAPACITOR 50V 0.047U	2	
C2011,12	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	2	
C2013	ECJ2VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C2014,15	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	2	
C2016	ECJ2VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C2017	EEUFC1C470	E.CAPACITOR 16V 47U	1	
C2018	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2019	EEUFC1C470	E.CAPACITOR 16V 47U	1	
C2021	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2022	EEUFC1E471	E.CAPACITOR 25V 470U	1	
C2023	EEUFC1C470	E.CAPACITOR 16V 47U	1	
C2024	ECJ3YF1C475Z	C.CAPACITOR CH 16V 4.7U	1	
C2025	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	
C2026	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C2027,28	ECJ2YF1C225Z	C.CAPACITOR CH 50V 2.2U	2	
C2029	ECJ2VC1H102J	C.CAPACITOR CH 50V 1000P	1	
C2030	ECJ2YF1C225Z	C.CAPACITOR CH 50V 2.2U	1	
C2031	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	
C2032	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2033	ECJ2YF1C225Z	C.CAPACITOR CH 50V 2.2U	1	
C2034	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2300	EEUFC1C101	C.CAPACITOR 16V 100U	1	
C2301	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	
C2302	ECJ2VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C2303	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	
C2304	ECJ2VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C2305	ECJ2VC1H222J	C.CAPACITOR CH 50V 2200P	1	
C2306,07	ECA1EEN100	E.CAPACITOR 25V 10U	2	
C2308-11	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2312,13	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	2	
C2314,15	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C2316,17	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	2	
C2318,19	EEUFC1H4R7	E.CAPACITOR 50V 4.7U	2	
C2320	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C2321	EEUFC1C101	C.CAPACITOR 16V 100U	1	
C3004-09	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	6	
C3011-15	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	5	
C3016,17	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3018-21	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	4	
C3024,25	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3032	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3035	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3039	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C3041,42	EEUFC1C470	E.CAPACITOR 16V 47U	2	
C3043,44	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3045	ECJ2VF1C105Z	C.CAPACITOR CH 16V 1U	1	
C3053	ECJ2VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
D601	MA2J72800L	DIODE	1	
D605	MA111	DIODE	1	
D610	BOJCPD000022	DIODE	1	
D640,41	MA111	DIODE	2	
D651	MA111	DIODE	1	
D801-03	MA111	DIODE	3	
D804	BOJCNE000004	DIODE	1	
D806	BOJCNE000004	DIODE	1	
D807	MA3110-M	DIODE	1	
D808	MA111	DIODE	1	
D809	MAZ30430ML	DIODE	1	
D810	MA111	DIODE	1	
D811,12	BOJCNE000004	DIODE	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D813	MAZ30270HL	DIODE	1	
D814	MA3062-L	DIODE	1	
D815,16	MA111	DIODE	2	
D1001	B0JCME000025	DIODE	1	
D2001	B0JCME000025	DIODE	1	
D2002	MA3130-M	DIODE	1	
D2003	MA111	DIODE	1	
D2004	B0JCME000025	DIODE	1	
D2351-54	MA111	DIODE	4	
D3004	MA3140-M	DIODE	1	
D3006	MA3140-M	DIODE	1	
IC600	C0JBAZ001737	IC	1	
IC601	C0ABBA000134	IC	1	
IC800	C0DBCMA00004	IC	1	
IC801	C0DBALG00002	IC	1	
IC802	C0DBEZG00004	IC	1	
IC1000	C0DBCMG00001	IC	1	
IC2000	C0DBCMG00001	IC	1	
IC2001	BA7653AF	IC	1	
IC2300	C1BB00000621	IC	1	
IC3000	C1AB00000459	IC	1	
IC3002	C1AB00000441	IC	1	
JK1001,02	K4ZZ01000121	JACK	2	
JK1004-08	K4ZZ01000121	JACK	5	
JS600-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
JS804	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
JS809	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
JS2000,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
JS2004	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L610	G0A121ZA0001	COIL 120UH	1	
L611	ELESE330JA	COIL 33UH	1	
L614	J0JHC0000001	COIL	1	
L800,01	VLQ0558K220	COIL 22UH	2	
L802-04	G0A680ZA0028	COIL 68UH	3	
L805	G0A561ZA0028	COIL 560UH	1	
L806	G0A100GA0013	COIL 10UH	1	
L1000	G0A470GA0002	COIL 47UH	1	
L1001	G0A101ZA0028	COIL 100UH	1	
L2000	G0A470GA0002	COIL 47UH	1	
L2001	G0A101ZA0028	COIL 100UH	1	
L2003	G0A221ZA0028	COIL 220UH	1	
L2300	ELJPA330KB	COIL 33UH	1	
L3003	ELJPA330KB	COIL 33UH	1	
LC600	G1BYYYH00003	COIL	1	
⚠ PA605	ERBFE4R00	M.RESISTOR 0	1	
Q607	2SD0601A0L	TRANSISTOR	1	
Q608	UN2113	TRANSISTOR-RESISTOR	1	
Q610,11	B1BBFF000001	TRANSISTOR	2	
Q615	B1DBGD000004	TRANSISTOR	1	
Q800	B1DHDD000013	TRANSISTOR	1	
Q801	UNR52110OL	TRANSISTOR	1	
Q802	B1DDED000003	TRANSISTOR	1	
Q803	2SD0601A0L	TRANSISTOR	1	
Q804	2SB0709A0L	TRANSISTOR	1	
Q805,06	2SD0601A0L	TRANSISTOR	2	
Q807,08	B1DHDD000013	TRANSISTOR	2	
Q809	UNR52110OL	TRANSISTOR	1	
Q812	B1DHDD000013	TRANSISTOR	1	
Q813	UNR52110OL	TRANSISTOR	1	
Q2000-04	UNR52110OL	TRANSISTOR	5	
Q2005	B1BBCF000013	TRANSISTOR	1	
Q2006	2SD0601A0L	TRANSISTOR	1	
Q2007	2SB0709A0L	TRANSISTOR	1	
Q2008,09	UNR52110OL	TRANSISTOR	2	
Q2010	2SB0709A0L	TRANSISTOR	1	
R601	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R603	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R606	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R610	ERJ12YJ102	M.RESISTOR CH 1/2W 1K	1	
R612	ERJ12YJ102	M.RESISTOR CH 1/2W 1K	1	
R614,15	ERJ12YK3R3	M.RESISTOR CH 1/2W 3.3	2	
R616	ERJ12NF1100	M.RESISTOR CH 1/2W 110	1	
R617	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R619	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R627,28	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	2	
R629	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R634	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R636	ERJ6GEYG180	M.RESISTOR CH 1/10W 18	1	
R640	ERJ6ENF6341	M.RESISTOR CH 1/10W 340	1	
R641	ERJ6ENF4321	M.RESISTOR CH 1/10W 4.32K	1	
R646	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R651	ERJ12NF1000	M.RESISTOR CH 1/2W 100	1	
R801	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	D0GD333JA003
R802	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	D0GD153JA003
R804,05	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R806-08	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	D0GD472JA003
R809	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R810	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R813	ERJ6ENF7501	M.RESISTOR CH 1/10W 7.5K	1	
R814,15	ERJ6ENF3242	M.RESISTOR CH 1/10W 32.4K	2	
R816	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R817	ERJ6ENF3242	M.RESISTOR CH 1/10W 32.4K	1	
R818	ERJ8GEYJ152	M.RESISTOR CH 1/8W 1.5K	1	
R819	ERJ6ENF3242	M.RESISTOR CH 1/10W 32.4K	1	
R820,21	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	2	
R822	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R823	ERJ8GEYJ152	M.RESISTOR CH 1/8W 1.5K	1	
R824	ERJ12YJ471	M.RESISTOR CH 1/2W 470	1	
R825-28	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	4	D0GD333JA003
R829	ERJ6ENF7501	M.RESISTOR CH 1/10W 7.5K	1	
R830	ERJ6ENF1201	M.RESISTOR CH 1/10W 1.2K	1	
R831	ERJ6ENF2701	M.RESISTOR CH 1/10W 2.7K	1	
R832	ERJ6ENF1621	M.RESISTOR CH 1/10W 1.62K	1	
R833	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R835,36	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R837	ERJ6ENF4990	M.RESISTOR CH 1/10W 499	1	
R838	ERJ6ENF1001	M.RESISTOR CH 1/10W 1K	1	
R839	ERJ6ENF4421	M.RESISTOR CH 1/10W 4.42K	1	
R840	ERJ6RBD112	M.RESISTOR CH 1/10W 1.1K	1	
R841,42	ERJ6ENF1501	M.RESISTOR CH 1/10W 1.5K	2	
R843	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R844	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1001	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1002	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1003	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1008	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1009	ERJ6ENF7151	M.RESISTOR CH 1/10W 7.15K	1	
R1010	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2000	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R2001	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R2002	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2003	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2004	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R2005	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2006	ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R2007,08	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R2009	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R2011	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R2012,13	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R2015,16	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R2017	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	D0GD270JA003
R2018	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R2019	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2020	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R2021	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2022	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2023	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2024	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2025,26	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R2027	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2028	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	D0GD105JA003
R2300	ERJ6ENF6202	M.RESISTOR CH 1/10W 6.2K	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2301	ERJ6ENF3902	M.RESISTOR CH 1/10W 3.9K	1	
R2302,03	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	D0GD105JA003
R2304	ERJ6ENF4701	M.RESISTOR CH 1/10W 4.7K	1	
R2319,20	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	2	D0GD220JA003
R2321,22	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R2323	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2324	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2325	ERJ6GEYG302	M.RESISTOR CH 1/10W 3K	1	
R2326	ERJ6GEYG202	M.RESISTOR CH 1/10W 2K	1	
R2354	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3001	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3003	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3029,30	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R3031,32	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3033	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3039	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3041	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3042	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3043	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3044	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3048	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3049	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3052	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3053	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3054	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R3058-60	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	3	
R3061,62	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3069,70	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
⚠ T610	ETJV23MA1NAC	TRANSFORMER	1	
⚠ T650	ETJV23MA1NAC	TRANSFORMER	1	
■ E2	VEP18104A	SUB P.C.BOARD	1	(RTL)FOR BT-LS1400P
■ E2	VEP18104B	SUB P.C.BOARD	1	(RTL)FOR BT-LS1400E
C1000	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C1003	ECJ1VB1C223K	C.CAPACITOR CH 16V 0.022U	1	
C1004	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1005	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C1006	ECJ1VB1H392K	C.CAPACITOR CH 50V 3900P	1	
C1007	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C1008	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C1009	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C1010	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C1012	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C1013	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C1022	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C1023,24	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C1025	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C1026	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C1027	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1028	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C1031	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C1032,33	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	2	
C1034	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C1035	ECJ1VC1H820J	C.CAPACITOR CH 50V 82P	1	
C1036	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C1037,38	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	2	
C1041	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C1043	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1044,45	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C1046	ECJ1VF1H103Z	C.CAPACITOR CH 50V 0.01U	1	
C1047	ECJ2VF1C474Z	C.CAPACITOR CH 16V 0.47U	1	
C1048	ECJ2YB0J335K	C.CAPACITOR CH6.3V 3.3U	1	
C1049	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C2339,40	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4000-02	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	3	
C4003,04	ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C4005	EEVHP1A100	E.CAPACITOR 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4006,07	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	2	
C4008	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4009	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C4010-16	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	7	
C4017	EEVHB0G101	E.CAPACITOR 4V 100U	1	
C4018-22	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	5	
C4024	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C4025,26	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4027-42	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	16	
C4043	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C4044-54	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	11	
C4055	ECJ1VB1C103K	C.CAPACITOR CH 35V 0.01U	1	
C4056	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C4057	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4058	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4059	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4060	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C4061	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4062	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4064	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4066	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4067	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4068	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4069	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4070	ECJ1VB1C103K	C.CAPACITOR CH 35V 0.01U	1	
C4071	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C4072	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4073	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C4074	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4076	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4077	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4078-80	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	3	
C4081-86	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	6	
C4087-98	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	12	
C4099	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-03	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	4	
C4104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4105	ECJ1VC1H060D	C.CAPACITOR CH 50V 6P	1	
C4106	ECJ1VC1H470J	C.CAPACITOR CH 50V 47P	1	
C4107,08	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C6300-02	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	3	
C6303	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C6304	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6305-11	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	7	
C6313	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C6315	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C6316	ECJ1VB1H332K	C.CAPACITOR CH 50V 0.033U	1	
C6317-20	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	4	
C6322	ECJ1VC1H820J	C.CAPACITOR CH 50V 82P	1	
C6323-27	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	5	
C6330	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C6331	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C6334-36	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	3	
C6400-02	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	3	
C6404	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6405	ECJ1VB1H222K	C.CAPACITOR CH 50V 2200P	1	
C6406-08	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	3	
C6409	ECJ1VB1H472K	C.CAPACITOR CH 50V 4700P	1	
C6411-13	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	3	
C6414	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6415	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6416	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6417	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6418	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C6419,20	ECJ2VB1C224K	C.CAPACITOR CH 16V 0.22U	2	
C6421	ECJ2VC1H122J	C.CAPACITOR CH 50V 1200P	1	
C6422	ECJ1VB1C333K	C.CAPACITOR CH 50V 0.033U	1	
C6423	ECJ1VB1C473K	C.CAPACITOR CH 16V 0.047U	1	
C6424	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C6425	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	1	
C6426	ECJ1VF1A105Z	C.CAPACITOR CH 10V 1U	1	
C6427-37	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	11	
C6438	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6439	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6440	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6441-43	ECJ3YF1C475Z	C.CAPACITOR CH 16V 4.7U	3	
C6446-49	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	4	
C6451	ECJ1VB1C333K	C.CAPACITOR CH 50V 0.033U	1	
C6452-60	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	9	
C6481	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C6482,83	ECJ1VF1C104Z	C.CAPACITOR CH 16V 0.1U	2	
D1000	1SS355	DIODE	1	B0ACCK000005
D1001	MAZ30430ML	DIODE	1	
D1002	MA3062M	DIODE	1	
D1003	MAZ30430ML	DIODE	1	
D1005	MA3062M	DIODE	1	
D1006	MA2J72800L	DIODE	1	
D1007	MA111	DIODE	1	
D2301	MA3056-M	DIODE	1	
D6400-02	MA729	DIODE	3	
D6404	MA111	DIODE	1	
D6406	MA111	DIODE	1	
D6408,09	MA111	DIODE	2	
DG1	K1MN50A00005	CONNECTOR	1	
DG2	K1KA08A00293	CONNECTOR (MALE)	1	
DG4,G5	VJS3791D040	CONNECTER (FEMALE)	2	K1MN40B00003
IC1000	C0EBE0000066	IC	1	
IC1002	C3EBJC000038	IC	1	
IC1003	TLCX04F	IC	1	
IC1004	TC7SH02F	IC	1	
IC1007	C0CBABF00009	IC	1	
IC4000	C0CBABB00029	IC	1	
IC4001	C0DBEZG00004	IC	1	
IC4002	C3HBKZ000001	IC	1	
IC4003	C1AB00001702	IC	1	FOR VEP18104A
IC4003	C1AB00001826	IC	1	FOR VEP18104B
IC4004	AN80L25RMS	IC	1	
IC6300	C1ZBZ0002178	IC	1	
IC6400	C1ZBZ0002203	IC	1	
IC6401	C0EBE0000066	IC	1	
IC6402	C0DBAMG00009	IC	1	
IC6403-05	UPD16510GR	IC	3	
IC6406	C0ABBA000078	IC	1	
IC6407	TC4052BF	IC	1	
IC6408	C0ABBA000078	IC	1	
IC6409	C0DBBZC00001	IC	1	
ID1001	VVVSI4108B	SOFTWARE	1	FOR VEP18104A DOWNLOAD ONLY
ID1001	VVVSI4205C	SOFTWARE	1	FOR VEP18104B DOWNLOAD ONLY
ID1002	VVVSI4165D	SOFTWARE	1	FOR VEP18104A DOWNLOAD ONLY
ID1002	VVVSI4206C	SOFTWARE	1	FOR VEP18104B DOWNLOAD ONLY
IP1001	MN102HF57KBF	FLASH MICHORO COMPUTER	1	
JK1010-12	K4CD01000007	CABLE TERMINAL	3	
JS1031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
JS4013	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
JS4015,16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
L1000	ELJPA100KF	COIL 10UH	1	
L4000-02	ELJPA100KF	COIL 10UH	3	
L4005-07	ELJPA100KF	COIL 10UH	3	
L4008	J0JGC0000021	FILTER	1	
L4009	ELJPA100KF	COIL 10UH	1	
L6300	J0JGC0000021	FILTER	1	
L6304,05	ELJPA100KF	COIL 10UH	2	
L6400	ELJPA180KF	COIL 18UH	1	
L6401-04	ELJPA150KF	COIL 15UH	4	
LC6400-17	J0HABB000007	EMI FILTER	1	FOR VEP18104A
LC6400-17	J0JEC0000010	EMI FILTER	18	FOR VEP18104B
LG2-G5	K4ZZ01000179	TERMINAL	4	
Q1000	B1DHDC000021	TRANSISTOR	1	
Q1001,02	UNR52110OL	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1003	2SD0601A0L	TRANSISTOR	1	
Q1004	UNR221700L	TRANSISTOR	1	
Q1005	UN2215	TRANSISTOR-RESISTOR	1	
Q1014	2SB0709A0L	TRANSISTOR	1	
Q1015	2SD0601A0L	TRANSISTOR	1	
Q1016	UNR521100L	TRANSISTOR	1	
Q1017	2SD0601A0L	TRANSISTOR	1	
Q1018	UNR521100L	TRANSISTOR	1	
Q4000-02	2SD0601A0L	TRANSISTOR	3	
Q4003-06	2SB0709A0L	TRANSISTOR	4	
Q4009-11	2SD10300TL	TRANSISTOR	3	
Q6300	B1DHDC000021	TRANSISTOR	1	
Q6301	UNR521100L	TRANSISTOR	1	
Q6400	2SB1219A	TRANSISTOR	1	
Q6401	2SD1820A-R	TRANSISTOR	1	
Q6402	B1CBGD000001	TRANSISTOR	1	
Q6403	2SD0601A0L	TRANSISTOR	1	
Q6404	UN5212	TRANSISTOR-RESISTOR	1	
Q6405	B1CBGD000001	TRANSISTOR	1	
Q6406	UNR511100L	TRANSISTOR	1	
Q6407	2SJ053600L	TRANSISTOR	1	
Q6408,09	UNR521100L	TRANSISTOR	2	
Q6410	UN5212	TRANSISTOR-RESISTOR	1	
Q6411-13	2SB1219A	TRANSISTOR	3	
R1000	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1003,04	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R1005	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1006,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1012	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1013	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1014	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R1015	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1017	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1019	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1022	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1023	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1025	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1027	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3EKF7151	M.RESISTOR CH 1/16W 7.15K	1	
R1033	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1034,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1036	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1037	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1038	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1039-43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R1045	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1046	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1048	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1056,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1058	ERJ3EKF2700	M.RESISTOR CH 1/16W 270	1	
R1059,60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1064-66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R1067,68	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R1069	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1072,73	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1074,75	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1076	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R1077,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1079	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1080	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1082,83	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1084,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1086	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1087	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1088	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1089,90	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1091,92	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1093	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1094	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1095	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4000-02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	3	
R4003-05	ERJ3EKF2700	M.RESISTOR CH 1/16W 270	3	
R4006-08	ERJ3EKF3300	M.RESISTOR CH 1/16W 330	3	
R4009-11	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R4012	ERJ3EKF1501	M.RESISTOR CH 1/16W 1.5K	1	
R4014-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4017	ERJ3EKF1501	M.RESISTOR CH 1/16W 1.5K	1	
R4018	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4019,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4021,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4024	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4025	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R4026	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4037	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4038	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R4039	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4040,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4042,43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4044,45	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R4046-48	ERJ6ENF12R0	M.RESISTOR CH 1/10W 12	3	
R4049	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4050-52	ERJ6ENF12R0	M.RESISTOR CH 1/10W 12	3	
R4053-57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R4058	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4059	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4060	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4061,62	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R4063-65	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4066	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4067	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4068,69	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R4070	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4071	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4072	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4073-76	ERJ3EKF2701	M.RESISTOR CH 1/16W 2.7K	4	
R4077-80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4081	ERJ3EKF2200	M.RESISTOR CH 1/16W 220	1	
R4082-85	ERJ6ENF75R0	M.RESISTOR CH 1/10W 75	4	
R4086	ERJ3EKF2000	M.RESISTOR CH 1/16W 200	1	
R4087	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4090	ERJ3EKF1401	M.RESISTOR CH 1/16W 1.4K	1	
R4091	ERJ3EKF1101	M.RESISTOR CH 1/16W 1.1K	1	
R4092	ERJ3EKF1401	M.RESISTOR CH 1/16W 1.4K	1	
R4093	ERJ3EKF1101	M.RESISTOR CH 1/16W 1.1K	1	
R4094	ERJ3EKF1401	M.RESISTOR CH 1/16W 1.4K	1	
R4095	ERJ3EKF1101	M.RESISTOR CH 1/16W 1.1K	1	
R4096	ERJ3EKF1401	M.RESISTOR CH 1/16W 1.4K	1	
R4097	ERJ3EKF1101	M.RESISTOR CH 1/16W 1.1K	1	
R4098-00	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6300	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6301	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6302-05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R6308-10	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R6311	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6320	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6322	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6324	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6325	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R6326	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6327	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6336	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6400	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R6403,04	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R6405,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6408	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6409	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6410	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6411,12	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6413	ERJ3EKF5231	M.RESISTOR CH 1/16W 5.23K	1	
R6414	ERJ3EKF1201	M.RESISTOR CH 1/16W 1.2K	1	
R6415	ERJ3EKF1582	M.RESISTOR CH 1/16W 15.8K	1	
R6416	ERJ3EKF2701	M.RESISTOR CH 1/16W 2.7K	1	
R6417	ERJ3EKF1202	M.RESISTOR CH 1/16W 12K	1	
R6418	ERJ3EKF1201	M.RESISTOR CH 1/16W 1.2K	1	
R6419-21	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R6422	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6424	ERJ3EKF1202	M.RESISTOR CH 1/16W 12K	1	
R6425	ERJ3EKF5601	M.RESISTOR CH 1/16W 5.6K	1	
R6426	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6427	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6428	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6429,30	ERJ3EKF1002	M.RESISTOR CH 1/16W 10K	2	
R6432	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R6433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6434	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6436,37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R6438,39	ERJ3EKF7501	M.RESISTOR CH 1/16W 7.5K	2	
R6440	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6441	ERJ3EKF18R0	M.RESISTOR CH 1/16W 18	1	
R6443,44	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6454	ERJ3EKF18R0	M.RESISTOR CH 1/16W 18	1	
R6455	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R6456,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6462-65	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R6466	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6467	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6468	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6469-80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	12	FOR VEP18104A
R6469-80	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	12	FOR VEP18104B
R6481	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6482	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6483-5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP18104A
R6483-5	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	FOR VEP18104B
X1001	H0J400400006	CRYSTAL OSCILLATOR	1	
X4500	H0J202500002	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VWJ1706	MAIN SUB FLEXIBLE CABLE	1	
	TUCC5817	SHIELD CASE	1	
	VMT1527	HEAT SINK SHEET A	1	
■ E3	VEP18105A	FRONT P.C.BOARD	1	(RTL)
C101	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
D101	HLMP1790S02	LED	1	B3AAA0000298
P101	K1MN10B00069	CONNECTOR	1	
P102,03	K1KA02B00053	CONNECTOR (MALE)	2	
R101	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R102	ERJ6ENF1741	M.RESISTOR CH 1/10W 1.74K	1	
R103	ERJ6ENF1621	M.RESISTOR CH 1/10W 1.62K	1	
R104	ERJ6ENF2321	M.RESISTOR CH 1/10W 2.32K	1	
R105	ERJ6ENF3161	M.RESISTOR CH 1/10W 3.16K	1	
R106	ERJ6ENF6651	M.RESISTOR CH 1/10W 6.65K	1	
R107	ERJ6ENF3161	M.RESISTOR CH 1/10W 3.16K	1	
R108	ERJ6ENF1741	M.RESISTOR CH 1/10W 1.74K	1	
R109	ERJ6ENF1621	M.RESISTOR CH 1/10W 1.62K	1	
R110	ERJ6ENF2321	M.RESISTOR CH 1/10W 2.32K	1	
⚠ SW101-09	K0H1BA000301	SWITCH	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VWJ10E5100M0	FLEXIBLE CABLE	1	
	VMX2147	LED SPACER 6	1	
■ E4	VEP18106A	JACK P.C.BOARD	1	(RTL)
C1100	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1101	EEVHP1A330	E.CAPACITOR 10V 33U	1	
C1102	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1103	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1104,05	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C1106,07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1108,09	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C1110,11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1200	EEVHP1A330	E.CAPACITOR 10V 33U	1	
C1201	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1202	EEVHP1A330	E.CAPACITOR 10V 33U	1	
C1203	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1204	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1205,06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1207	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C1208-10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1211	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1212	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1213-17	EEVHP1H1R0	E.CAPACITOR 50V 1U	5	
C1218-23	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C1300-05	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
D1100-04	MA152K	DIODE	5	
D1200-03	MA152K	DIODE	4	
D1300-03	MA152WK	DIODE	4	
IC1100	TC4053BF	IC	1	C0JBAR000327
J1100	K1QBB2AA0004	CONNECTOR	1	
J1101	K1QBB3AA0003	CONNECTOR	1	
J1102	K1QBB2AA0004	CONNECTOR	1	
J1200-03	K1CB104H0003	CONNECTOR (FEMALE)	4	
J1204-08	K2HA204A0042	JACK	5	
L1100	VLQ0319K470	COIL 47UH	1	G1C470K00013
L1200,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
L1300-03	J0JBC0000041	FILTER	4	
P1300	VJP3414A009	CONNECTOR (MALE)	1	K1FB109A0016
P1301	VJS3801B050	CONNECTOR (FEMALE)	1	
P1302	VJP3950F007	CONNECTOR	1	
Q1100-02	2SD601A-R	TRANSISTOR	3	
Q1103,04	2SC3757-R	TRANSISTOR	2	
Q1105,06	2SB0709ALL	TRANSISTOR	2	
Q1107-09	2SD601A-R	TRANSISTOR	3	
Q1110	2SC3757-R	TRANSISTOR	1	
Q1111	2SB0709ALL	TRANSISTOR	1	
Q1112,13	2SD601A-R	TRANSISTOR	2	
Q1200-09	2SD601A-R	TRANSISTOR	10	
QR1300	UN2111	TRANSISTOR-RESISTOR	1	
QR1301	UN2211	TRANSISTOR-RESISTOR	1	
R1100-03	ERJ14NF75R0	M.RESISTOR CH 1/4W 75	4	
R1104	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1105	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1106,07	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1109,10	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R1111	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1113,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1115,16	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R1117,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1119	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R1120	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R1121,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1123	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R1124	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R1125	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1126,27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R1128-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R1132	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1133	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1134	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1135	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1136	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1138	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1139	ERJ14NF75R0	M.RESISTOR CH 1/4W 75	1	
R1140,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1143	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R1144	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1145	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1146	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1147	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1148	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1149	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1150-52	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R1153	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1200-03	ERJ14NF75R0	M.RESISTOR CH 1/4W 75	4	
R1204-07	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R1208-11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R1212	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1213-16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1217-20	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R1221-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R1225	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1226	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R1227	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1228	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1229-33	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	5	
R1234	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1235	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R1236	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1237	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R1238	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1239	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R1240	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1241	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R1242	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1243	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R1244-48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	5	
R1249-53	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R1300-04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R1305	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
		MISCELLANEOUS		
	VWJ1684	SHIELD FLEXIBLE CABLE	1	
	VMP7833	JACK PLATE	1	
	VMP7834	S TERMINAL EARTH ANGLE	4	
	VMP5301	D SUB HOLDER ANGLE	1	
	VSC5559	HEAT SINK	1	
	VMZ3421	INSULATION SHEET H	1	
	XTN26+8GFZ	SCREW	4	
	XTB3+8GFZ	SCREW	8	
	K1YE25000007	SCREW	2	
	XTV3+6F	SCREW	2	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E5	VEP18107A	TALLY P.C.BOARD	1	(RTL)
D201-05	LN1251CAL	DIODE	5	
P201	VJP3950F002D	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VEE0Y79	TALLY CABLE U	1	
■ E6	VEP18108A	POWER SW P.C.BOARD	1	(RTL)
⚠ F301	VSF0106C31H	FUSE	1	
FH301,02	EYF52BC	FUSE HOLDER	2	
P301,02	VJP2073	CONNECTOR (MALE)	2	K1KA02A00104
⚠ SW301	KOADKF000003	POWER SWITCH	1	
		MISCELLANEOUS		
⚠	VMZ3432	POWER INSULATION SHEET	1	
	VMP7832	POWER SW HOLDER ANGLE	1	
	XYN3+K6	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E7	BT-YA210G	SDI INPUT UNIT	1	(RTL) OPTION
C4001	ECJ2VC1H020C	C. CAPACITOR CH 50V 2P	1	
C4002	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4003-05	ECJ2VF1C105Z	C. CAPACITOR CH 16V 1U	3	
C4006-09	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	4	
C4010	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
⚠ C4011	ECJ2VC1H101J	C. CAPACITOR CH 50V 100P	1	
C4012,13	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	2	
C4014	ECEV1CG100GR	E. CAPACITOR CH 16V 10U	1	
C4015	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4016-18	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	3	
C4019	ECJ2VB1H153J	C. CAPACITOR CH 50V 0.015U	1	
C4020	ECJ2VC1H030D	C. CAPACITOR CH 50V 3P	1	
C4021	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C4022	ECJ2VF1H104Z	C. CAPACITOR CH 50V 0.1U	1	
C4023	ECEV1CA330W	E. CAPACITOR CH 10V 33U	1	
C4024	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4025,26	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	2	
C4027	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4028	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4029	ECEV1CG100GR	E. CAPACITOR CH 16V 10U	1	
C4030	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4031,32	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	2	
C4033	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	1	
C4034,35	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	2	
C4036,37	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	2	
C4038	ECJ2VB1H223J	C. CAPACITOR CH 50V 0.023U	1	
C4039	ECEV1CA330W	E. CAPACITOR CH 10V 33U	1	
C4040	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	1	
C4041	ECEV1CG100GR	E. CAPACITOR CH 16V 10U	1	
C4042,43	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	2	
C4044	ECEV1CA330W	E. CAPACITOR CH 10V 33U	1	
C4045	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	1	
C4048-51	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	4	
C4052	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4053-57	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	5	
C4058	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4059	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4060	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4061	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4064	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4065	ECEV1CG100GR	E. CAPACITOR CH 16V 10U	1	
C4066	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4067	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	1	
C4075-77	ECEV1AA330W	E. CAPACITOR CH 10V 33U	3	
C4078-80	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	3	
C4081	ECEV1AA330W	E. CAPACITOR CH 10V 33U	1	
C4082	ECJ2YB1H104K	C. CAPACITOR CH 50V 0.1U	1	
C4083	ECJ2VC1H180J	C. CAPACITOR CH 50V 18P	1	
C4084	ECJ2VC1H121J	C. CAPACITOR CH 50V 120P	1	
C4085	ECJ2VC1H120J	C. CAPACITOR CH 50V 12P	1	
C4089	ECJ2VC1H680J	C. CAPACITOR CH 50V 68P	1	
C4090,91	ECJ2VC1H121J	C. CAPACITOR CH 50V 120P	2	
C4095-97	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	3	
C4098-00	EEVHB1C100	E. CAPACITOR 16V 10U	3	
C4101-03	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	3	
C4115	ECJ2VB1H103J	C. CAPACITOR CH 50V 0.01U	1	
C4116	ECJ2VC1H820J	C. CAPACITOR CH 50V 82P	1	
D4001,02	MA157A	DIODE	2	
D4004,05	MA112TX	DIODE	2	MA2J11200L
D4011	MA157A	DIODE	1	
FL4001	VLF1294	FILTER	1	J0E6754B0001
FL4004	J0E3374B0003	FILTER	1	
FL4007	J0E3374B0003	FILTER	1	
FL4010	J0MAB0000055	FILTER	1	
FL4020	J0MAB0000055	FILTER	1	
FL4022-25	J0HACH000017	FILTER	4	
IC4001	C1AB00001333	IC	1	
IC4002	C0CBADE00012	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4003	C1AB00000379	IC	1	
IC4004	C1AB00001651	IC	1	
IC4005,06	C0CBADE00012	IC	2	
IC4007	C0JBZZ000001	IC	1	
IC4008	TVRJ254	ROM	1	
IC4009-13	C0JBAZ000445	IC	5	
IC4014	ADV7123KST50	IC	1	C0FBBF000020
J4001,02	K2HZ102B0007	JACK	2	
L4001	ELJPA4R7MF	COIL 4.7UH	1	
L4002	ELJFA470JF	COIL 47UH	1	
L4005	ELJPA4R7MF	COIL 4.7UH	1	
L4007	ELJPA4R7MF	COIL 4.7UH	1	
L4010-13	ELJPA4R7MF	COIL 4.7UH	4	
L4014	G1C27NJ00008	COIL	1	
P4001	K1KA03A00170	CONNECTOR (MALE)	1	
P4002	VJP3950A007D	CONNECTOR (MALE)	1	
Q4001-04	2SB0709A0L	TRANSISTOR	4	
Q4005	2SD601A-R	TRANSISTOR	1	
Q4006-08	2SB0709A0L	TRANSISTOR	3	
Q4009-14	2SD601A-R	TRANSISTOR	6	
Q4015-17	2SB0709A0L	TRANSISTOR	3	
R4001,02	ERJ6ENF75R0	M. RESISTOR CH 1/10W 75	2	
R4003	ERJ6ENF68R0	M. RESISTOR CH 1/10W 68	1	
R4004	ERJ6ENF39R0	M. RESISTOR CH 1/10W 39	1	
R4005	ERJ6ENF75R0	M. RESISTOR CH 1/10W 75	1	
R4007	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	D0YDR0000005
R4008	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R4009	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R4010	ERJ6ENF1500	M. RESISTOR CH 1/10W 1.5K	1	
R4011	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
R4012	ERJ6ENF1500	M. RESISTOR CH 1/10W 1.5K	1	
R4013	ERJ6ENF3650	M. RESISTOR CH 1/10 365	1	
R4014-16	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	3	D0YDR0000005
R4017-19	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	3	
R4020	ERJ6ENF75R0	M. RESISTOR CH 1/10W 75	1	
R4021	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R4022	ERJ6ENF75R0	M. RESISTOR CH 1/10W 75	1	
R4023,24	ERJ6ENF1000	M. RESISTOR CH 1/10W 100	2	
R4025	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R4026	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	1	
R4027-34	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	8	
R4035-45	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	11	
R4049	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	D0YDR0000005
R4054	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	D0YDR0000005
R4055	ERJ6ENF6801	M. RESISTOR CH 1/10W 6.8K	1	
R4056	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	D0YDR0000005
R4057	ERJ6ENF3301	M. RESISTOR CH 1/10W 3.3K	1	
R4060	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	D0YDR0000005
R4061	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R4063	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R4066,67	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	2	D0YDR0000005
R4071,72	ERJ6ENF75R0	M. RESISTOR CH 1/10W 75	2	
R4073	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R4074	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	D0YDR0000005
R4075	ERJ6ENF75R0	M. RESISTOR CH 1/10W 75	1	
R4082-84	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	3	D0YDR0000005
R4085	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R4086-88	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	3	
R4089	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R4090,91	ERJ6GEYJ431	M. RESISTOR CH 1/10W 430	2	
R4092	ERJ6ENF2701	M. RESISTOR CH 1/10W 2.7K	1	
R4093	ERJ6ENF4701	M. RESISTOR CH 1/10W 4.7K	1	
R4094	ERJ6ENF2200	M. RESISTOR CH 1/10W 220	1	
R4096	ERJ6ENF1001	M. RESISTOR CH 1/10W 1K	1	
R4099	ERJ6ENF1801	M. RESISTOR CH 1/10W 1.8K	1	
R4100	ERJ6GEYG391	M. RESISTOR CH 1/10W 390	1	
R4101	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R4103	ERJ6GEYJ431	M. RESISTOR CH 1/10W 430	1	
R4105	ERJ6GEYJ431	M. RESISTOR CH 1/10W 430	1	
R4106-09	ERJ6GEYG271	M. RESISTOR CH 1/10W 270	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4110,11	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R4112	ERJ6ENF4700	M.RESISTOR CH 1/10W 470	1	
R4113	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4114	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	DOGD121JA003
R4115	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4116	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	DOGD121JA003
R4117	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4118	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	DOGD121JA003
R4119	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4120	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R4121	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4122	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R4123	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4124	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R4125-27	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	3	
R4128-30	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R4131-33	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	3	
R4134-36	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R4137-39	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	3	DOGD220JA003
R4140	ERJ6ENF1001	M.RESISTOR CH 1/10W 1K	1	
R4142	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R4143-45	EVM7JGA00B22	V.RESISTOR 200	3	
R4176	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
S4001,02	VSS023704	SWITCH	2	KOD412A00002
T4015	G1BYYYH00004	COIL	1	
TP1,P2	EYF6CU	TEST POINT	2	
TP4003-08	EYF6CU	TEST POINT	6	
U4001-04	K4CD01000007	CABLE TERMINAL	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

SECTION 1

SERVICE INFORMATION

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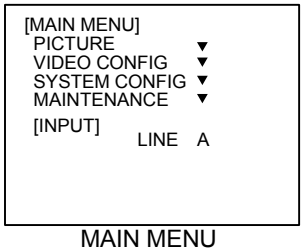
1. Notes for part exchange

1-1. Exchange of the SUB print circuit board

When the New SUB print circuit board is replaced in the unit, automatically it will be in the warm up mode for 30 minutes after turning the power “ON”.
Perform the electrical adjustment (flicker adjustment) after the completion of warm up.

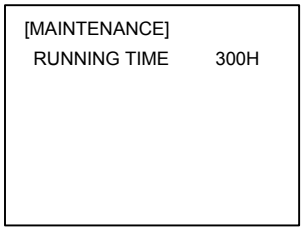
<How to cancel warm up mode>

1. Press the [MENU/EXT] button to display the “MAIN MENU” on the screen.



MAIN MENU

2. Press [MENU v] or [MENU ∧] button to move the cursor to the MAINTENANCE, and press the [ENTER] button so that display shows “RUNNING TIME”.



MAINTENANCE

<In case of the BT-LS1400P>

3. While pressing the [VOLUME v] button and press the [BLUE] button simultaneously, so that the warm up mode is cancelled.

<In case of the BT-LS1400E>

3. While pressing the [VOLUME v] button and press the [ASPECT] button simultaneously, so that the warm up mode is cancelled.

1-2. Replace of the LCD Panel

When the LCD Panel is replaced, be sure to perform “flicker adjustment”. (Refer to the Electrical Adjustment Section)

1-3. Replacement of Print Circuit Boards or/and Power supply unit.

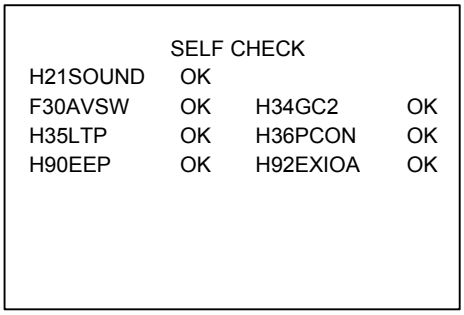
When replacing the MAIN print circuit board, the SUB print circuit board or/and the Power supply unit to the LCD Panel, in order to prevent any damage on the screw holes, tighten the screws with less than **0.3N·m (about 3kgf·cm)** torque.

2. Self-check function

The phenomena like " Stops Intermittently" or "No Picture/Sound Intermittently" which can not be confirmed at the time of servicing.
The trouble occurrence and narrow down of the defective circuit can be confirmed by using the self-check function.

2-1. How to access

1. While pressing [VOLUME v] button and press [MENU/EXIT] button simultaneously to start the self-check function.



2-2. Display phenomenon and Processing circiut

Display symbol	Phenomenon/condition	Processing circiut
H21	No audio output.	MAIN C.B.A.
F30	No video and audio output. Input switching disabled.	MAIN C.B.A.
H34	Video trouble.	SUB C.B.A.
H35	No video output	SUB C.B.A.
H36	No video output	SUB C.B.A.
H90	Memory trouble	SUB C.B.A.
H92	Audio trouble	MAIN C.B.A.

* Any button operation or switching off the power will reset the self-chack data.

3. Maintenance

3-1. Necessity for maintenance

The BACKLIGHT power supply is used in this LCD monitor. This part (which is a consumable) will deteriorate over time and lead to a reduced level of performance and failure. For this reason, it involves periodic maintenance and servicing aimed at keeping up the performance that the monitor is designed to provide and preventing sudden failures caused by consumable part.

3-2. Maintenance Schedule

The times given below indicate rough times for maintenance. They do not indicate the operating life of the various parts. The times and part numbers are subject to change so consult the most recent maintenance guidelines.

No.	Part Name	Part No.	Quantity	Hours of exchange
1	LCD PANEL	L5EDD3L00003	1	55,000 hours

NOTE:

- Refer to the times displayed under each item under the “MAINTENANCE” in the SERVICE menus as a guide to replacement times.
- The BACKLIGHT can not be removed. Therefore, it exchange with the whole LCD PANEL.